

# CONNECTICUT INDUSTRY

JULY • 1961



STEEL RULE DIEMAKING

Page 6



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# CONNECTICUT INDUSTRY

JULY • 1961

VOLUME 39 NUMBER 7

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Published monthly by the Manufacturers Association of Connecticut, Inc., with executive offices at 928 Farmington Avenue, West Hartford, Connecticut. Second class postage paid at Hartford, Conn. As the official magazine of the Manufacturers Association of Connecticut, Inc., it carries authoritative articles and notices concerning the Association activities. In all other respects the Association is not responsible for the contents nor for the opinion of its writers. Subscription rates: one year \$3.00; 30c a copy. Subscribers should notify publisher promptly of changes in address. Advertising rates on application.



THIS MONTH'S cover photo shows a plywood sheet being selected from the warehouse at Acme Steel Rule Die Corporation, Waterbury, to start a new steel rule die. Every Acme die starts with a base. Steel rule dies for cutting soft goods materials have specially fabricated plywood bases. Metal cutting dies have hy-du-lignum bases.

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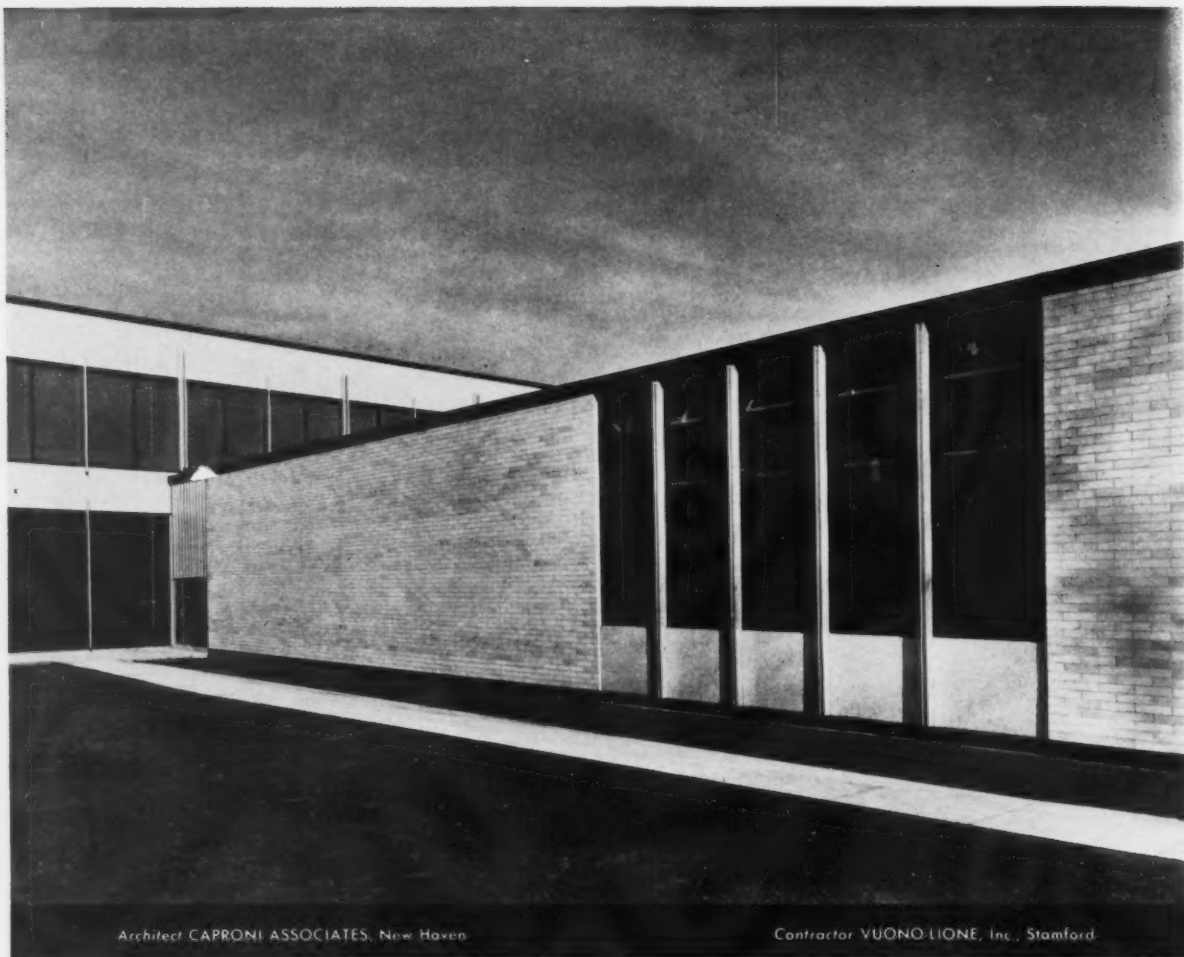
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## Half-height Plasticrete bloc presents a handsome face

**PROBLEM:** The new Schick Safety Razor building in Milford is an example of the way Plasticrete works with the designer in creating new effects. The architect wanted to expose concrete bloc to make an attractive modern wall at low cost. A simple change in bloc dimensions enabled the architect to achieve smart horizontal lines and good-looking walls both inside and out, with economical, fire-safe, concrete bloc.

**SOLUTION:** The standard 12 W x 8 H x 16 L bloc was modified to a 4" half-height. This scale provided the desired horizontal proportions, and made it possible to expose concrete bloc attractively on inside and outside walls. In fact, the dimensions provided an important advantage for economical construction: the walls are of one-bloc thickness, with both faces of the same bloc exposed as the inside and outside wall surfaces.

Here again, the versatility, adaptability, economy, and fire-safe virtues of Plasticrete bloc are demonstrated. There's hardly any building problem that cannot be solved *better* with one of the many Plasticrete units.



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How

# DSC Accutronic<sup>®</sup> HIGH CARBON STEEL STRIP

helps cinch profits on  
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## Facts of the Job

A clutch plate is a special kind of high carbon steel stamping. It is usually made in large quantities to meet tight production and shipping schedules. Low manufacturing cost is "of the essence". That's why representative clutch plate manufacturers and spring steel users rely profitably on DSC Accutronic<sup>®</sup> High Carbon Steel Strip.

## Cost-Saving Advantages of DSC Strip

The fabricating advantages of DSC STRIP—high or low carbon—are LEVEL GAUGE and EVEN TEMPER—inherent in Accutronic<sup>®</sup> rolling. These properties permit fast, non-stop, trouble-free stamping or roll-forming.

For high carbon applications, especially those involving heat-treatment, the advantages of DSC HIGH CARBON STRIP rest on UNIFORMITY OF MICRO-STRUCTURE and CHEMICAL COMPOSITION. These properties rest on over 38 years of specialized experience in cold reducing, annealing (when required), and finishing, and on the selection of the hot bands best suited for particular jobs. RESULTS: efficient, economical and predictable heat-treating procedures.

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# SPECIALIZATION PAYS

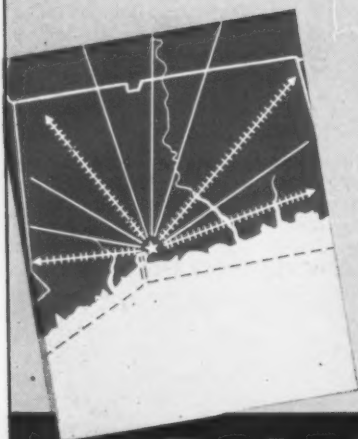


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# Post Mortem: 1961 General Assembly

♦ THE "goings on" at the big house on Capitol Hill during the recent session of the General Assembly reminded us of a certain college campus "tug of war." The rule of the game was that if neither team had pulled the other into the lily-bedecked old swimming hole during the first fourteen minutes of the fifteen minute contest, both teams would jump in to spend the final minute before the whistle blew to see which side could pick the most lilies. After a see-saw struggle for fourteen minutes both teams jumped in and came out a minute later with so many lilies and skunk cabbages that the referee, believing it impossible to count the tangled mess, called the contest a "draw". Both teams had their own ideas. Each thought they had won.

Minus the rope and the pond the Republican and Democratic teams in the House and Senate "huffed and puffed and tugged" during much of the session without coming to grips with the real block buster—the budget and how to finance it. Then, in the final weeks, the long hidden spirit of Camp David settled upon the near-exhausted rivals. Or was it the spirit of Mr. and Mrs. Ramsbottom when they muttered, "something's got to be done, somebody's got to pay" after the lion at the zoo ate their son, Albert.

At any rate, it was in a spirit called "compromise" that they all jumped into troubled waters during the closing days of the session and came out with a budget and taxes to pay for it, the like of which Connecticut citizens have never seen before. The only justification for the legislators was the fact that they inherited a fiscal "mess of pottage" in the form of accumulated indebtedness they had to clean up to maintain the state's credit. The only consolation for all classes of taxpayers was that their brethren in 23 other states had already felt the sting of higher levies, and others in 15 more states seemed likely to feel a stronger tug on their wallets before their legislatures adjourned.

Except for shouldering their share of the tax burden—up 33 1/3%, or from 33 3/4% to 5% in corporation taxes, 30% in unincorporated business tax and an additional 1/2% in sales taxes—manufacturing industry suffered few penalties from legislation passed at the recent session.

There were no increases in Unemployment Compensation and a small measure of relief was given on the extended benefit program. Although increases were made in specific cases under Workman's Compensation, the burden will be light, with none accruing to companies whose accident records by-pass the specific injuries for which compensation has been increased.

On the plus side were many bills considered injurious to the business climate which failed of passage, all of which will be enumerated in the Association's printed Legislative Report to be mailed to members in the near future.

Some further consolation can be taken by the fact that \$25 million was chopped from the Administration's budget, due to split control of the General Assembly, and that diversion of highway funds was ended.

Once again the voices of candidates for office, so loud in praise of industry and the need for encouraging it, during the election campaign, failed to translate them into constructive action to encourage industrial expansion. To be sure, a guarantee loan fund was set up to guarantee loans made by banks for industrial expansion, but such a gesture is not to be compared to the incentive that would be furnished by the exclusion from the sales tax of machinery used in production.

Admittedly, the 1961 session of the General Assembly was no bargain for any group of taxpayers. It did, however, bring out once again these facts:

1. That biennial sessions are often enough to stir uncertainty among the state's wealth-producing units;
2. That division of legislative control between the two parties is a blessing for the citizens of the state;
3. That businessmen must exert greater effort to make the right candidate selections at the local level and be more vocal at the state level if they would improve the business climate at future sessions of the General Assembly.

# STEEL RULE DIEMAKING



Welcome to Acme . . . receptionist-secretary, Claire Morin, greets all visitors, directs them to the person who will be most able to help.

■ THERE is a single ingenious thing that makes jig-saw puzzles possible . . . and pop-up greeting cards, and gaskets, linoleum tiles, set-up boxes and a vast and sundry array of miscellaneous products. That thing is the purpose and the product of Acme Steel Rule Die Corporation of Waterbury, Connecticut . . . and it is . . . steel rule dies. The shapes of things for tomorrow are found in the steel rule dies of today, and almost every industry has a need for these dies. It is because of this general industrial need for these specialized devices that Acme was founded ten years ago in Waterbury and incorporated by the present management about three years later.

To point out this general industrial requirement for steel rule dies, we must consider that the brass industry needs soft material cut-outs for its component parts of plumbing and brass goods products. The rubber and plastic industries need them to expand their scope of operations from sheet, strip, rod and extruded shapes to specific shapes or parts for interchangeable assembly. The felt, linoleum, plywood, textile, paper and paper-board industries need them for a similar reason. Then, the printers of the nation and the gift box and corrugated box industries need them even more directly as part of the tooling for their production. In effect, every industry, at one time or another, needs and uses steel rule dies for cutting or creasing operations, either for its prime products or for forming its component parts.

## Business Built On Personalized Service

Acme Steel Rule Die Corporation was organized to help quench the constant industrial thirst for a supplier of the all-important steel rule dies.



Waterbury Plant Manager, Gene Grincunas; President Joseph De Hippolytis; Sales Manager Robert C. Bessette, meet regularly to get every job "right from the start."



Dexterity, skill and experience combine at the layout table where the die is actually drawn with engineering precision on the base in which the cutting rule will later be positioned.





Easy does it . . . precision jig-sawing of each and every line put on the base at the layout table is the responsibility of this craftsman.



Selecting the right rule for the job is illustrated in this section of the Acme warehouse.

Proper heat treating of component metal parts increases die productivity and maintains its accuracy longer.



Splitting hairs makes modern precision possible. Constant quality control inspections detect variances from allowable tolerances.

This steel rule diemaker is positioning the shaped and tempered steel rule into the tracks of the base.







A gentle tap from a cushioned mallet indicates the precision of mating the jig-sawed base with the steel rule.

(Left) Bending the steel rule to accurately mate the jig-sawed shape of the die base.

Since its inception, Acme has progressed and grown into two plants, one in Waterbury, and the other in Rochester, New York. The sales growth has been built on personalized service, fully guaranteed products; fast, accurate production and a friendly, cooperative corporate personality.

The service territory grew from the central Connecticut area to the New York State and entire New England region; and with its constant success, it now serves the entire nation with the same elements of knowledge and personal attention as it offered in its first days.

Along with its growth, Acme people have been keenly interested in their research and development project to find the way and the method for the first major departure in the building of dies for the metalworking markets . . . for blanking and stamping.

Every industry in the metalworking markets requires, at least occasionally, metal stamping dies for research and development projects. This need has usually required expensive time delays and tooling in order to produce short runs of metal parts which must be tested and approved before the overall project can be released into full production. Also, many industries from time to time require metal stampings to fill particular orders of special parts which, in the metalworking industries, are short-run production parts. The challenges of these two repetitive needs of industry generally

were the reasons for this research project for the management and people at Acme. More than five years ago they began experimenting with the steel rule die method trying to find a practical solution to the increasing demand for fast, yet accurate, low cost dies for short-run and development work.

#### Research Pays Off

This Acme research has been recently proved both effective and practical and is, in effect, the first revolutionary advance in the making of dies for metal stampings. Metal stamping dies now account for almost twenty-five percent of Acme production, although the method was announced late in 1960.

These metal stamping dies begin with a prototype part or a print. From this a master template is made and mounted in a die set. This later becomes the male element of the die. Separately, specially tempered, annealed steel rule cutting dies are mounted in Hy-du-lignum bases, which are subsequently placed in the die set. This becomes the female element of the die. After the die has been fully proved, it is delivered to the customer for his required production run.

These dies will produce up to fifty thousand individual stamped parts from metal up to  $\frac{1}{8}$ " thick, including steel, copper, brass, bronze, aluminum, and the many metals in common usage. The dies are extremely

accurate and produce stamped parts with minimum burr. They are usually made within one week and cut an average of seventy percent from the tool cost. These metal stamping dies will produce short-run parts for aircraft, communications, electronics, automotive, business machines, computers, appliances, electrical, and general metalworking manufacturing.

#### Evolution of a Steel Rule Die

However, the bulk of Acme production is still found in the unique trade of building the steel rule cutting dies which form the shapes in greeting cards, sales displays, boxes, gaskets, linoleum, and products of felt, plastic, rubber, plywood, cloth, and an endless list of soft goods products.

Every steel rule die at Acme is carefully planned with the combined skills of department heads from management, sales, and production. All pertinent information, including allowable tolerances, expected production, equipment on which die will be used, material which die will cut, and other information, is all carefully planned and assigned before the job enters either the Waterbury, Connecticut or Rochester, New York plants. The first step in the making of a steel rule die is in the selection of the proper base. Bases for steel rule dies are specially laminated plywood. On a layout table the plywood base is carefully marked with engineering tools to outline the ultimate shape of



making it become one . . . spot welding of each individual metal part permanently joins all components and adds greatly to the production performance of the die.

You may call it sponge rubber . . . Acme knows it as ejection material. It is forced into each cutting section and cemented in position. In operation, ejection material removes parts which the die has cut or blanked.

the die which the base will eventually hold. It is here, on the layout table, where accuracy and dependability are born into each Acme-made die. From here the plywood base goes to the precision jig-saw department where the drawn shape on the base is expertly cut out so as to provide the track into which the cutting rule will later be inserted. While the jig-sawing is taking place, another Acme craftsman is selecting the proper cutting rule from the Acme warehouse. This rule will be cut and shaped to mate the jig-sawed shape of the base, and the die will then be given its first proving. When the cutting rule is proved to conform to the specifications of the die, it is removed from the base and heat-treated to give it a longer production life.

The next important step in making a steel rule die is in adding the important ejection material which will remove blanked parts from the die during production. At Acme a special sponge rubber material is used for ejection. It is positioned and cemented into each cutting section. When the die is in use, the sponge rubber compresses under the pressure of the press so as to allow the material being stamped to occupy space between the cutting surface and the die base. When the press pressure is released to position uncut material, the sponge rubber ejection material expands and discharges the blanked part from the die. This automatically increases production by eliminating down time of the presses for manual ejection.

At this point the die is given its

(Continued on page 35)

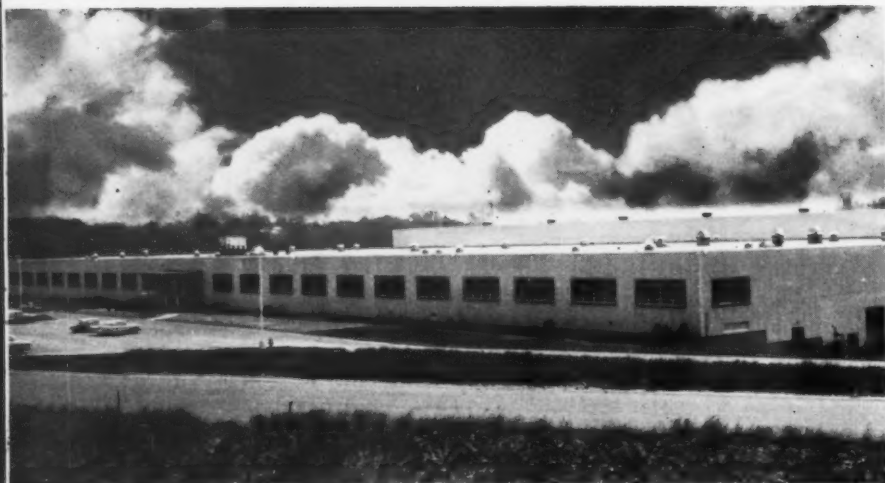


Yesterday's research into a new method of making metal stamping dies is part of today's production schedule at Acme. Hy-du-lig-num bases combine with steel rules and punches and master templates in this revolutionary advance.

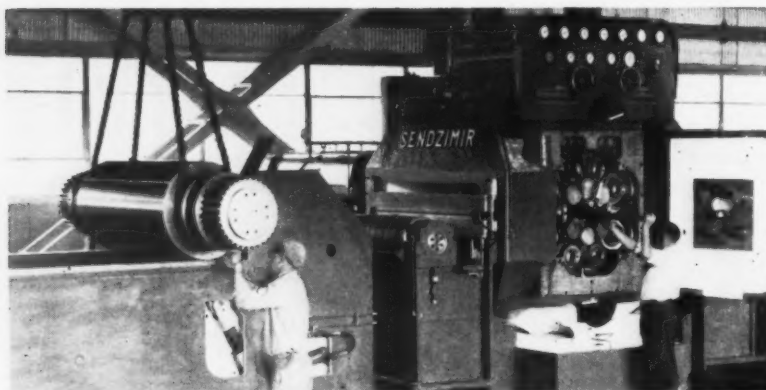


Every Acme die is fully proofed before delivery. Here, metal stamping die blanks out electrical part from alloy steel.

# Waterbury Farrel Dedicates



Exterior of new 314,000 square foot Cheshire plant of Waterbury Farrel Foundry & Machine Co. Division of Textron, Inc.



ZR 22-50" Sendzimir Mill and solid block winders shown at final inspection. The mill will roll stainless steel up to 50" in width and the solid block winders will handle coils of steel up to six and one-half feet in diameter.

(Below) Heavy manufacturing bay of new plant.



■ MAY 26, 1961 was a red-letter day in the 110-year life of Waterbury Farrel Foundry and Machine Co., a division of Textron. It marked the dedication of its new modern, \$6,000,000 plant, the major portion of which had been rushed to completion in the record time of 118 working days from the signing of the building contract on June 29, 1960 by A. Dale Mitchell, president of the company. This construction feat borders on the "miraculous" in view of the fact that the contract itself called for completion in 150 working days, or considerably less time than normal to construct a building of this size, and that construction was delayed for eleven working days due to a statewide strike of construction workers.

Although ground had been broken for the new Cheshire plant in April 1957 on a site of approximately 100 acres, and the first 50,000 foot bay for use as a heavy machine shop and assembly area and site plans for the future plant, had been completed in March 1958 and occupied in April, final occupancy of the plant became a reality on March 1, 1961, with the transfer of Administrative, Sales and Engineering personnel to the company's new home on West Johnson Avenue, Cheshire.

## Dedication Ceremony

The significance of the construction of this new facility in Cheshire as a replacement of the century-old multi-story, multi-building plant in downtown Waterbury, some 10 miles away, was highlighted by Senator Prescott Bush at open house and dedication ceremonies. Open house inspection took place from 9:00 to 11:00 A.M., culminating in the dedication ceremonies starting at 11:00 A.M. and concluding at noon, followed by a luncheon at Waverly Inn, Cheshire, for some two hundred persons, including Senator Bush and other participants in the dedication ceremonies, invited guests representing Cheshire and Waterbury, and numerous business and industry groups.

In his address of dedication, Senator Bush lauded the foresight of the company and its continuing faith in Connecticut for expanding its opera-



# es New Plant

tions within the borders of the state to increase employment opportunity in industry, the life blood of the area. He also commented briefly about our foreign competitive situation, of the dangers of inflation and of his efforts to minimize the impact of both upon our economy.

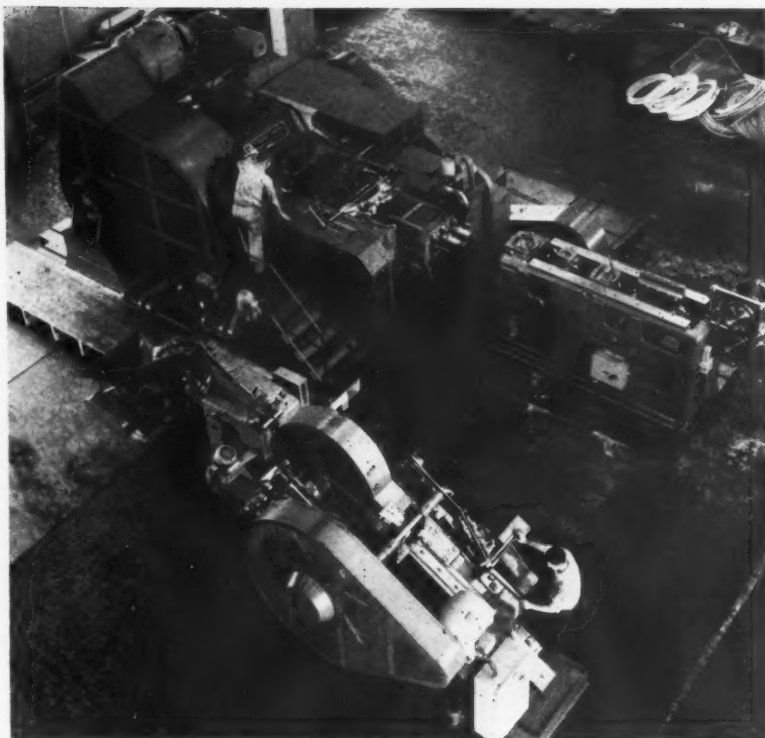
Others who participated in the dedication ceremonies included:

Reverend Arthur P. Hanley, Pastor, St. Bridget's Roman Catholic Church, Cheshire, who pronounced the Invocation;

Fred W. Bens, first selectman, Town of Cheshire, who had furnished leadership in persuading the company to locate in Cheshire, and who extended a warm welcome on behalf of the Town of Cheshire;

A. Dale Mitchell, president, and A. S. Nippes, vice president—manufacturing, who expressed their pleasure over their choice of Cheshire for the company's new home and their gratitude for the cooperation received from Mr. Bens, other leaders of the community and from the architects, the builder and others who had cooperated so admirably in bringing their new plant into being in a record period of time. They also expressed their appreciation to the many guests who had honored the company by their presence at the open house and dedication ceremony;

Jerome Ottmar, group vice president, Textron Inc., owner of Waterbury Farrel Foundry & Machine Co. since June, 1958, who expressed his gratitude for the outstanding cooperation rendered to the Waterbury Farrel Division of his company, and spoke optimistically of its future in its present ideal home under the guidance of its present long-experienced management. He pointed out that Textron, Inc., a multi-product manufacturing company, with headquarters in Providence, which had been steadily diversifying its production through internal expansion, acquisitions and research since 1944 when its chief product was textiles, now has 26 companies in its family, with 93 plants in 21 states and Canada, employing around 29,000 persons. He noted that Textron now has some 50,000 stockholders and does an annual sales volume of business of \$450 million, and now ranks among the



Automated line of bolt making machinery being given final tests before shipment from Waterbury Farrel's new Cheshire plant. These machines produce bolts one inch in diameter and eight inches in shank length at a rate of forty finished pieces per minute.

100 largest corporations in the United States. He also called attention to the fact that Textron now owns four companies in Connecticut which, in addition to Waterbury Farrel Foundry & Machine Co. include: MB Electronics, New Haven; Sprague Meter Co., Bridgeport and Precision Methods and Machines, Waterbury. He also stated that the five product lines now manufactured by Textron companies include automotive, which accounts for 17% of total sales; consumer, 24%; defense, 22%; industrial 20% and textiles 17%.

## Origin and Growth

The Waterbury Farrel Foundry and Machine Company, which now produces a wide variety of Cold Heading Machinery, Rolling Mill Equipment, including the now famous Sendzimir Cold Rolling Mills and Power Presses, stems from a small foundry shop started by Almon Farrel in Ansonia, Connecticut. Later, in 1851 Mr. Farrel purchased the Waterbury Iron Foundry Company in Waterbury, in order to be located closer to the growing brass industries, and subsequently reincorporated this company as the Farrel Foundry Company. After Mr. Farrel's death both companies were reorganized, with the Waterbury plant incorporated as The Farrel Foundry and Machine Com-

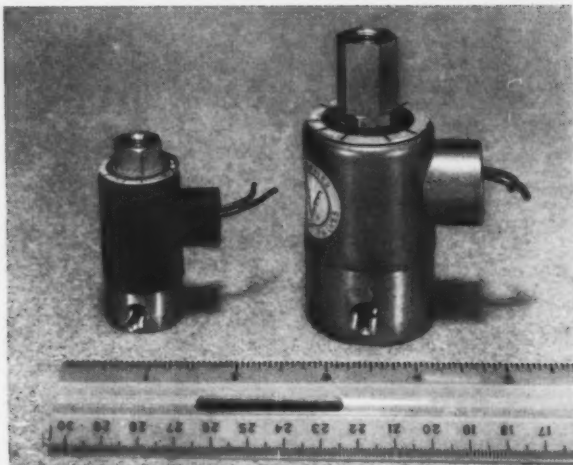
pany, which was continued as a subsidiary of the Ansonia plant until 1880 when, under the leadership of E. C. Lewis, plant manager, the Waterbury Division was purchased from the Ansonia Company and reincorporated as The Waterbury Farrel Foundry and Machine Company, its present name.

The growth of the company from 1880 through World War I was due, in part, to the acquisition of the Waterbury Machine Company, which added wire drawing and eyelet machines, and to the development of small arms ammunition machines for the Spanish-American War which enabled the company to make a prominent contribution in this connection during World War I.

During the 1920's and 1930's the company expanded and improved its lines of heading machinery, rolling mills, multi-plunger presses and small arms ammunition machines. Consequently, it was able to respond to the demands of World War II, first from England and France and from our own government, both with respect to small arms ammunition machines and its own proprietary lines.

In the years following World War II, Waterbury Farrel's peacetime business prospered as newer, more efficient

(Continued on page 39)



Skinner B Series miniature valve compared with V5 Series valve of the same capacity. New valve measures one inch diameter by 2 1/4" high and weighs only 5 oz., as contrasted with 1 1/8" diameter by 3 1/2" high and 19 oz. weight of V5 valve.



Skinner Polynoid Linear Actuator which utilizes induction principles to produce uniform output force throughout stroke in either direction. It also shows meters measuring output force and input voltage.

## Press Views New SKINNER Products

■ REPRESENTATIVES of seventeen news media, twelve of which were trade magazines, heard the chief engineers of two divisions of the Skinner Precision Industries, Inc., New Britain, sketch the details of a new product and a new design of an old product at a small press conference at the company's plant on Wednesday, May 3, 1961. A tour of the company's modern, one-story plant prior to the conference and luncheon which followed at the Shuttlemeadow Country Club, clearly demonstrated to the news writers that Skinner tooling, production and inspection techniques and housekeeping were designed to produce only finished products of the highest precision.

### New Product

The entirely new product, presented and described for the group by Gerald Francis, chief engineer of the company's New Products Department is a new electromechanical linear actuator, called the Polynoid linear actuator, which uses induction principles to deliver a uniform long stroke.

The Polynoid linear actuator is designed to meet a wide range of requirements, with six models featuring different stroke lengths and output forces being available from stock for

testing, evaluation, and prototype use. These models operate on standard AC voltage and come furnished for foot mounting.

They provide reliable and easily controlled motion at low installed cost and contain only one moving part—

the rod—and can be used to hold under load at any position or provide reciprocating motion. Stroke is up to 6 inches with standard units and is virtually unlimited in engineered products. The Polynoid linear actuator produces uniform output force throughout its stroke in either direction, with the force being directly proportional to input power.

### New Design

The new basic design, described by Robert Clay, chief engineer of the company's Solenoid Valve Division, is a sub-miniature solenoid valve, substantially smaller than the previous

(Continued on page 33)



A group of representatives of news media who were guests of Skinner on May 3.



# MAC Award Ceremonies



Head table at education awards luncheon. Left to right, Charles E. Reiche, public relations director, MAC; Dr. Joseph T. Nerden, chief, Bureau of Technical Institutes, State Board of Education; Emmett O'Brien, director, Division of Vocational Education; Dr. William J. Sanders, commissioner of education; Fredrick H. Waterhouse, executive vice president, MAC; Carlyle F. Barnes, president, MAC; Alfred W. Cavedon, vice president, MAC; William Horowitz, chairman, State Board of Education; Earl Bowler, U.S. Department of Education, Washington, D. C.; Laurence W. Eddy, chief, Bureau of Vocational-Technical Schools.



William G. Scoville, right, who specialized in machine shop courses at Prince Technical School in Hartford, receives his Citation of Merit from Alfred W. Cavedon, vice president of MAC.

■ THE fifteen top graduates of the 1961 classes at Connecticut's technical-vocational schools and the technical institute were honored by MAC on May 16 when they were presented the Association's annual Industrial Education Awards and Citations of Merit.

Two of this year's prize winners were girls, Mary Blake, 17, of South Norwalk, who specialized in industrial chemistry at Wright Tech in Stamford, and Frances Rudolewicz, 18, of Plainville, who specialized in machine drafting at Goodwin Tech in New Britain.

The prize winners were each presented with a \$50 cash award and the Association's Citation of Merit at a luncheon at the Hartford Club. The program to encourage the development of industrial education in Connecticut was inaugurated by MAC in 1960.

Judging of the prize winners was based on their work in industrial courses and in character and the overall contribution to their schools by the winners.

The 13 other top graduates were:

## HARTFORD COUNTY

George A. English, 24, Torrington St., Winsted, State Technical Institute, Hartford, mechanical technology; David J. Gadowski, 17, Windsor Ave., Rockville, Howell Cheney Technical School, Manchester ma-

chine; William G. Scoville, 17, 1994 Broad St., Hartford, Albert I. Prince Regional Vocational Technical School Hartford, machine.

## NEW HAVEN COUNTY

Michael F. Carbone, 17, 109 Oak St., Southington, Horace C. Wilcox Technical School, Meriden, sheet metal; Michael P. Ciriello, 18, 161 Geddes Terrace, Waterbury, Warren F. Kaynor Technical School, Waterbury,

mechanical drafting; Thomas W. Tripp Jr., 17, 254 North Front St., New Haven, Eli Whitney Technical School, Hamden, tool and die.

## FAIRFIELD COUNTY

Robert Russell, 17, 11 Padanaram Rd., Danbury, Henry Abbott Technical School, Danbury, machine; Michael Yevich, 17, 8 VanStone Court, Bridgeport, Bullard-Havens Techni-

(Continued on page 33)



Top graduates pose with Carlyle F. Barnes, Association president, as he presents Citation of Merit to Miss Mary Blake of Wright Technical School, Stamford. Young men in photo are, left to right, George A. English, Edward J. Luciani, David J. Gadowski and Thomas W. Tripp, Jr.

# Moral Awakening Seen as Our Greatest Need

By **DR. N. BURNETT MAGRUDER**, *Executive Secretary*  
Louisville Council of Churches  
Louisville, Kentucky

**Ed. Note.** This, the seventh in a series of articles dealing with the Communist threat to our American heritage of liberty and free enterprise, describes our "Achilles heel" which must be mended if we are to escape the fate planned for us by our enemies. This and all previous articles are reprinted from ACTION in Kentucky, with permission from Associated Industries of Kentucky.

■ A NATION can be no stronger than the moral foundation on which it is built. America — in its national life — faces a crisis of morals of the first magnitude.

Dr. Charles Malik, the Christian statesman of Lebanon, and a man of far-reaching vision, has said that the West must face "the advanced state of moral decay in its own soul." This is an arresting indictment and when we view the trend of events around us, there is much to support the force of his statement.

In Holy Scripture, the Psalmist David expressed in one verse, the predicament of the American people at the present hour:

*"If the Foundations Be Destroyed, What Can The Righteous Do?"* (Psalm 11:3). Our problem can be stated very simply—the moral basis on which the American system of "liberty under law" rests, is slowly being eroded before our very eyes. And, sad to relate, this erosion occurs at the time when our responsibilities are greater than ever before. Both President Eisenhower and President Kennedy have called attention to the nature of our world commitments but it is not in the power of either of these two leaders to supply the moral strength which our situation demands. There is no leader to whom we can look to supply this moral regeneration because it does not lie within human power to perform such a task. It lies only within the power of Almighty God and there is precious little evidence among our people that we are looking to God for this

supply of divine grace and regenerative power.

Some of the reasons for this dreadful moral inadequacy are not difficult to find. For nearly half a century our people have been nurtured on a naturalistic, man-centered faith and outlook which is based on the idea that man is in control of his own destiny. Even in the face of great technical achievements such as have been widely heralded both by the Soviet Union and the United States, our own announcements seem not to go much farther than the words of the Soviet leaders who give all the glory to the "mind of man." In fact, we tend to glorify ourselves and this is a great sin. Our national achievements will mold in the dust if we do not give the glory to Almighty God. This nation was born and nurtured in the faith of the Bible and without this faith our destiny will be that of Babylon and all other civilizations which have crumbled into dust. At the close of World War II, General MacArthur said that if the flesh is to be saved, there must be a rebirth of the spirit. This rebirth has not taken place. In fact, the situation has deteriorated. On one hand, we have policies which are born of apathy and indifference. On the other hand, we have actions which are born of panic and fear. Neither attitude is healthy. Neither attitude is worthy of a free people who have entrusted their future to the hands of a good God. A cynical platitude which has been bandied around of recent days has this dismal view: "Better Red than



DR. N. BURNETT MAGRUDER

dead." It is to this type of mind that Dr. Malik addressed himself when he said we have an advanced state of moral decay. Such a mind has already capitulated, Dr. Malik says, to the most deadly premise of the Marxist system—namely, the view that power and materialism will be the inevitable winner on the world scene.

Another evidence of moral decay is the apparent willingness of our people to place moral principle in a subordinate role to personal pleasure and indulgence. It is an easily observed fact in the realm of national politics that the politician who promises more indulgence is "the popular one." Despite high-sounding statements of asking the American people what they can do for their country, the only kind of legislation which has any chance to pass in Congress is "what the country can do for the people." The Apostle Paul rightly described this attitude when he said, "Their god is their belly." Materialism is god. This is perhaps the first generation of Americans who so openly barter their voting privileges for a little more economic benefit.

We have scarcely touched on the tendency toward outward display and sensuality — a trend so powerfully manifest in books, movies and magazines. Historians have often pointed

(Continued on page 35)

# Our Eroding Freedom

By RONALD REAGAN

■ IT MAY seem presumptuous for a member of my profession to attempt to talk on problems of the nation. It would be strange if it were otherwise. We in Hollywood are not unaware of the concept many of our fellow citizens have of us and of our industry. We realize that our merchandise is made up of tinsel, colored lights and a large measure of make-believe. It is also true that our business methods and practices have reflected this foot-light glamour more than the very real side of our very real business.

## Orders From The Kremlin

However, a few years ago "a funny thing happened to us on the way to the theatre". Ugly reality came to our town on direct orders of the Kremlin. Hard core party organizers infiltrated our business. They created cells, organized Communist fronts, and for a time, deceived numbers of our people, who with the best of intentions joined these fronts while still ignorant of their true purpose. The aim was to gain economic control of our industry and then subvert our screens to the dissemination of Communist propaganda.

Whatever the shortcomings, Hollywood had achieved a great deal. In the finest traditions of free enterprise, 70 per cent of the playing time of all the screens of the world had been captured by the output of the American film capital. You may disagree sometimes with our "boy meets girl" plot, but all over the world our pictures were a window through which less fortunate humans had a glimpse of freedom and of our material comforts as well. The men in the Kremlin wanted this propaganda medium for their own destructive purposes.

Confident of their power, the Reds in our midst made one mistake in judgment. They mistook their ability to deceive for success in conversion. Under the guise of a jurisdictional strike, they made an open effort to destroy the guilds and unions who remained free from their control. Ultimately, they hoped for one vertical union of motion picture

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**Encroaching control by government is now at the critical point. Unless we wake up to what is happening and act . . . we may spend our sunset years telling our grandchildren what it was like when men were free.**

people under the umbrella of Harry Bridges' maritime union. After the first shock, the people of the movie colony rallied quickly — we lived through scenes that heretofore had been only make-believe. Thousands of massed pickets overturned cars, homes were bombed, and threats of acid in the face were directed at performers. Months later their power was broken. The studios had remained open thanks to the refusal of management and the majority of our people to be intimidated.

## Plenty of Help

We know of course that we only



Ronald Reagan

Long one of Hollywood's most vigorous public-minded citizens, television and motion picture star Ronald Reagan tenaciously has fought Communism and other influences harmful to the entertainment industry and our historic American values. He has been a director of the Screen Actors Guild since 1941, served as its president for five and half years starting in 1947, and was again elected president of the group in 1959. He graduated from Eureka College in Illinois with an A.B. degree in economics and sociology and was a sports writer before being signed by Warner Bros. Studios. Still an avid sports enthusiast, Mr. Reagan owns and operates "Yearling Row," a San Fernando Valley breeding farm for race horses.

won an isolated battle. In the "spirit of Camp David" the Communist party has ordered once again the infiltration of the picture business as well as the theatre and television. They are crawling out from under the rocks; and memories being as short as they are, there are plenty of well-meaning but misguided people willing to give them a hand.

We are not posing as "being able to run the circus now that we've seen the monkey," but we do have an awareness born of our experience which we feel is not always shared by our fellow citizens. Most of us are agreed that the ideological struggle with Russia is the number one problem in the world. In spite of this unanimity, there is a confusion, a difference in thinking, that is terrifying in its threat to our freedom.

## A Declared War

In all the talk of "summit meetings", compromise, and concession there emerges the mistaken idea—held by many in government and certainly by many others who mold opinion in the press and on the airwaves—that we are at peace, albeit an uneasy one, with Russia. They say we must conduct ourselves so as to preserve that peace and work towards some far-distant day when the Russian bear will become a lamb and world tensions evaporate.

The truth of the matter is that *we are at war*. We are losing that war simply because we don't or won't realize that we are in it. It's a strange war, fought with unusual weapons and strategy, but nevertheless a war. In this struggle every move and every word of the Russians is a calculated maneuver aimed at furthering their campaign.

Make no mistake about it—this is a declared war. We cannot yell foul. They have told us in their writings and in their talks that Communism and Capitalism cannot exist in the world together. Between table poundings, Khrushchev has said, "We still

pursue the teachings of Marx that Capitalism must be destroyed, and there is as much chance of us forsaking that cause as there is that shrimps will learn to whistle." On December 6, 1960, the 20,000 word manifesto issued by the international Communist party meeting in Moscow reaffirmed their dedication to this conflict and the ultimate destruction of our way of life.

This is not a shooting war because we have stayed militarily strong. Russia does not dare add direct armed conflict to her tactics and strategy for fear she would be defeated. But this isn't too frustrating to the men in the Kremlin.

Lenin, the interpreter of Karl Marx, never placed outright military assault very high in the strategic plan. If used at all, it would only be if the Capitalist nations became so drugged by peace talks that force became a risk-free short cut in the plan of conquest.

### Plan Operating Well

In 1923, Lenin said that they would take Eastern Europe, next organize the hordes of Asia, then surround the United States, and, he predicted, "... that last bastion of Capitalism will not have to be taken. It will fall into our outstretched hands like over-ripe fruit."

Eastern Europe has been taken. China is a Red giant, and all over Asia lesser countries follow the pattern of first neutralism and then a switch to pro-Russian, anti-Western government. Cuba has become a Red beachhead, and daily the reports come in of student riots and leftist demonstrations in Latin American countries. And not a single Russian soldier becomes a casualty.

**Bulganin said, "We cannot appeal to the American working man now because he is too well fed; but when through inflation America has priced herself out of the world market and unemployment follows, then we will settle our debt with the United States."**

We now own but \$19 billion in gold, \$12 billion of which is designated by law as required to insure our dollar. Today, foreigners have a claim against us of \$21 billion, which they can demand in gold if they so choose. Still our foreign aid program, originally a 4-year, \$15 billion emergency measure, goes on unchecked—12 years and \$80 billion later!

The simple truth is that the Communists believe victory is inevitable. They are convinced that we will abandon our Democratic institutions

one by one under the stress of constant pressure. Nikita Khrushchev said, "We cannot expect the Americans to jump from Capitalism to Communism. However, we can assist their elected leaders in giving Americans small doses of Socialism until they suddenly awake to find they have Communism."

### Encroaching Control

In 1927, a Socialist named Raushenbush, writing in the *New Leader*, the Socialist magazine of the day, said the Socialists must recognize they could not hope for the American people to stage a revolution and thus adopt Socialism. Therefore, he said, Socialists must work to place people in government jobs (one man on the inside with his eyes and ears open was worth a hundred on the outside). They should work to bring about government ownership of railroads and power, and government control of banking and communications and all key industries. He called his program "Encroaching Control."

Some years later Norman Thomas, six-time candidate for president on the Socialist party ticket, remarked, "The American People will never knowingly adopt Socialism; but under the name of liberalism, they will adopt every fragment of the Socialist program until America will one day be a Socialist nation without knowing how it happened."

There was a time in the lives of most of us when our only contact with the Federal government was to buy a stamp at the post office. Today, almost every phase of our life feels the stultifying hand of government regimentation and interference. More and more we have turned to central government for the answer to all problems. We are now faced with a collection of internal powers and bureaucratic institutions against which the average citizen is absolutely helpless. This power, under whatever name or ideology you choose, is the very essence of totalitarianism.

### Federal Medical Care

The establishment of government-paid medical care was one of the first steps in imposing statism on our people. In our country there are very few open advocates of socialized medicine. Yet, our Veterans Administration hospital system (and I speak as a veteran) is the costliest medical program of its type in the world today.

All of us are agreed that a man wounded or disabled in the defense of his country is entitled to the finest

medical and hospital care we can provide. I'm sure there was little disagreement more than thirty years ago when it was proposed that a *needy* veteran, not disabled in the service but needing hospitalization, should be allowed the use of a V.A. bed—if *that bed was not required* for a service-connected disability. Today three out of four V. A. beds are occupied by patients suffering diseases or injuries neither originated by nor aggravated by military service. Each year's budget authorizes more millions of dollars for additional V.A. hospital building, yet there are only 40,000 service-connected disabilities in the U.S. Counting the 23 million veterans, a fourth of our citizens are entitled to some form of government-paid medical or hospital care.

### Another Step to Socialization

Now it is proposed that all participants in Social Security join a compulsory health plan to provide government paid medical care upon reaching the age of 65. This is proposed in the name of emergency and real need. A picture is evoked of millions of elderly citizens unable to have the medical care they require and only a comprehensive federal program can meet the challenge. There is a problem, to be sure, but it concerns about 10 per cent of our elderly citizens. About 70 per cent of that age group are among the more than 127 million people who have come under some kind of *private* medical or hospital insurance in the last decade, and others have the means to provide for their own care. Is it reactionary to suggest that we do something for those in actual need — something less than a compulsory government insurance program for everyone? Do the advocates of such compulsory insurance guarantee their program won't be extended as time passes? By all past experience, we can reasonably expect that votes will be solicited in election years in return for a reduction in the age limit to 63, then perhaps to 60, and so on until one day we unwillingly reconcile ourselves to socialized medicine for the remaining minority of our citizens.

Social Security was conceived to provide that destitution would not result from the death, unemployment, or old age of a worker. It was never intended to supplant private savings, pension plans or insurance, but was to provide a foundation upon which security could be achieved. The temptation to buy elections by urging people to vote themselves a raise was irresistible to many politicians. In 1959, many, many years be-



fore it was believed likely, Social Security payments exceeded income. In 1943, the actuarial experts (upon whose judgments the program policies were formed) predicted that Social Security "outgo" by 1957 would be \$1.2 billion, but it actually came to \$7 billion.

The present participants in Social Security will collect between \$300 and \$600 billion more than they will pay in.

In its promotional activities the Social Security system still refers to itself as an insurance program. However, in arguments before the Supreme Court the Social Security officials contended that it is not an insurance program, but that the money paid in is a tax and that the participants have no benefit rights as such. Benefit payments are designated by the current Congress and can be changed or cancelled at any time by Congressional action.

Not too long ago, a press story reported that in Ohio, people of the Amish faith, who have as a tenet of their religion that they cannot accept any pension or payment from government, had their possessions seized and their cattle sold at auction to force their payment of Social Security dues—even though they cannot accept Social Security payments when they become due.

### Aid to Education

The government put a \$900 million foot in the door of federal aid to education with the National Defense Education Act of 1958. Again, crisis and emergency colored the atmosphere. Little heed was given to the fact that more than 99 per cent of the school districts have not reached their bonded indebtedness limit. In the last 10 years, a 35 per cent increase in students has been met by a 134 per cent increase in local and state spending for schools. Classroom space for 15 million has been built to meet an increase of only 10 million students. There are today 500 colleges in our land that can take an additional 200,000 students without having to add even a chair or desk.

### Subsidy Can Give Control

Naturally, the exponents of Federal aid deny that Federal control has any place in their thoughts. The Supreme Court, on the other hand, in the case of *Wickard vs. Filburn*, has established the principle that what the government subsidizes, the government can control. The Washington state director of public education has stated that today's program is administered with Federal control

by indirection—you get a Federal handout if you do things their way. The president of the NEA has suggested in a public speech that Federal control might be necessary temporarily in the South. Homer Wadsworth, formerly chairman of the President's Advisory Committee on Youth Fitness, said, "It is necessary that national standards for education be established in order for the U.S. to maintain its strength in the struggle for power against Russia. . . . As much as we desire to retain local management of our school, the competition with Russia makes this impossible."

Today the Federal aid to education lobby is one of the largest spending lobbies in Washington.

Spurred by the successive problems of depression and war, we adopt a program to reduce farm surpluses and then make it so financially attractive to produce a surplus that we have \$9 billion worth in storage. Recently the government had 17½ million pounds of butter in storage, but had to go into the market place to buy 500,000 pounds to feed the armed forces. The government has enough wheat to make 25 loaves of bread for every person in the world.

In New Mexico, citizens have rented land from the state for twenty-five cents an acre and then applied for and received nine dollars an acre in soil bank payments for not planting anything on this land.

The largest subsidy check—\$1,300,000.00—goes to the citizens of a foreign land that are not even residents of this country.

Farm spending is one of the biggest single items in our budget outside of defense; yet only 20 per cent of agriculture comes under government regulation and subsidy.

### Aim is Permanent Control

This session of Congress will face a drive on the part of people who think the solution to the farm problem is to take the other 80 per cent of agriculture now operating in the free market of supply and demand. The aim is to bring about a permanent system of government control with government licensing the farmer, and government regulating prices and limiting production to cause a rise of 15 to 25 per cent in retail food prices.

We have paid a greater price than just dollars and cents. Evetts Haley, Jr., a former Texas University professor, was fined \$4,000 for raising wheat and feeding it to his own cattle. Upheld by a judge, the government appealed, and the Supreme Court reversed the lower court's decision, ruling that an agency of the

government has the right to tell an American farmer what he can raise on his own land for his own use.

### Control and Competition

In other areas, our government owns and operates more than 19,000 businesses in direct competition with its own citizens. Covering 47 different lines, these tax-free, subsidized corporations range from the manufacture of fertilizer to surgical equipment, from rum distilleries to tin smelters.

**Annually, they lose billions of dollars which is made up from taxes. The estimated book value of 700 government corporations is \$262 billion, representing one-fifth of the total industrial capacity of the U.S.**

The Hoover Commission, appointed under two presidents, described itself as "working in a fantastic nightmare of regimented chaos." They recommended liquidation of scores and scores of these corporations to no avail.

A sub-committee of Congress a year ago reported its findings on Federal employees. There are almost 2½ million. In 1942, there was one top-salaried executive for every 89 employees. Today there is one for every 17 employees. The committee further stated it found little evidence that any bureau or agency organized in answer to an emergency ever went out of existence—even after the emergency disappeared. The truth is that the permanent structure of government has grown so complex and overwhelming in size that Congress literally can no longer police its activities. In 1920, Congress ordered the immediate liquidation of the Spruce Products Corporation. Thirty years later it was still in existence. The Reconstruction Finance Corp., thoroughly discredited, was liquidated—but in name only. All of its powers, holdings, facilities, and functions have been taken over by other agencies.

### Highway in Spain

The Federal Aid to Highways Act of 1952 opened the way for using road building funds for projects outside the U.S. The next time you're caught in traffic take comfort from the fact that you helped build a six-lane highway from Madrid, Spain, to a gambling casino 15 miles away.

Uncontrolled empire building to gain advancement leads to such waste as is shown in the claims department of the Veterans Insurance program. There, three employees take double the time to perform the service as-



signed to one individual in the average private insurance company.

### Hodgepodge of Levies

The fodder upon which government has fed and grown beyond the consent of the governed is provided by a tax system which has long since ceased to have a system. It is now an almost incomprehensible hodgepodge of conflicting levies and contradictions.

Once imposed, a tax is seldom cancelled as witness the excise tax on telephone calls. This was passed during the Korean conflict *not*, the government explained, to raise revenue, but to reduce private telephone use because of the war emergency. Today we still have the tax because the government now says it needs the revenue. Hundreds of hidden and indirect taxes account for half the cost of a loaf of bread, one-fourth of the cost of your automobile, one-half of your gas and oil, and a third of your telephone bill.

### Spawned by Marx

We have seen the income tax in our lifetime grow from a law of 31 words to volumes filled with more than 440,000 words. Spawned by Marx a hundred years ago as a prime essential in the Socialist state, the progressive income tax pushes us day by day closer to the property-less uniformity Marx envisioned as Utopia. He called it a means of wiping out the middle class. We find that the steepest rate of surtax increase occurs through the middle income brackets where are to be found the bulk of our small businessmen, professional people, skilled craftsmen, and many of our farmers. It reaches 34 per cent at \$8,000 and passes the 50 per cent mark at \$16,000. From there on up to the confiscatory 91 per cent bracket, it can only be described as punitive, because the government's total revenue above the 50 per cent bracket is less than three-quarters of a billion dollars.

### No Moral Justification

We tend to accept this tax on the theory of "the more you make, the more you pay." This would be *fair*, *proportionate* taxation. Our present progressive system cannot be justified on *any* moral grounds. Our Hebrew and Christian religions are based on the practice of tithing. Both the Old and the New Testaments explain the giving of the tenth. If the Lord prospers you ten times as much, you give ten times as much. Under our progressive system, Caesar's share is computed on a different basis. If a

\$5,000 a year man today is prospered 10 times, his income tax increases 53 times as much.

And what of the so-called little man who is supposed to get a break because of the sliding scale? A man with a wife and two children and a gross income of \$3,500 per year will find that the tax collectors—Federal, state, and local—will take some \$1,059 in direct and indirect taxes. Can we help him by taxing more heavily in the upper brackets? I doubt it. If the government took *all remaining personal income above \$6,000,000*, the increased revenue wouldn't pay the interest on the National debt.

History reveals that no nation has ever survived a tax burden that amounted to one-third of its income. Today taxes take 31 cents out of every dollar earned in the U.S. and of that 31 cents, almost 23 cents goes to the Federal government, leaving 8 cents for the state, county, and local community to share.

Lenin, in 1923, said, "The way to destroy Capitalism is to debauch the currency. Through a process of planned inflation a government can quietly and unobservedly confiscate the wealth of its citizens." Henry VIII substituted copper for silver in his coins, and we have been no less deliberate in our inflationary policies. Our dollar has lost more than half its purchasing power in twenty years. Of course, we are told that incomes have kept pace and that we are earning twice as much so we are still holding our own. This reasoning overlooks the part played by the progressive tax which is based on the number of dollars earned—not their value.

### A Vicious Cycle

As a man doubles his earnings to maintain his same purchasing power, he moves up through successive surtax brackets, and the vicious cycle begins — he must earn additional dollars to meet his new tax liability. The man who earned \$5,000 a year in 1940, must earn \$14,000 today to break even and pay his increased surtax. The \$10,000 a year man faces an increase of \$12,000 in his tax bill and must now earn \$31,000 just to maintain the same purchasing power.

**Would anyone care to project these figures ahead just 15 years, keeping the same annual rate of inflation and the same tax rate, and even pretend that free enterprise will exist? By 1975, the \$5,000 a year man will have to earn \$33,000, and the \$10,000 a year man will have to earn \$84,000 just to maintain their 1940 purchasing power and**

### standard of living.

Two years ago I appeared before the House Ways and Means Committee as a representative of the motion picture industry to urge the adoption of a tax reform measure known as the Sadlak-Herlong bill. This was an experience similar to going over Niagara Falls in a barrel—the hard way, upstream. In a month of hearings, representatives of practically every segment of our society appeared before the committee. All of them urged some kind of tax reform, and 85 per cent advocated the adoption of the Sadlak-Herlong bill. It was obvious that the majority of the committee had little sympathy with our plea, so it was no surprise when, several months later, the committee decided to hold new hearings. This time no volunteers were allowed. A hand-picked group of predominantly campus economists appeared and talked of plugging loopholes to *increase* the government's tax revenue. You are going to hear more about these loopholes. Most of these so-called loopholes are the legitimate deductions without which the whole tax structure would have long since proved unworkable. The suggestions included disallowance of property taxes and interest on loans for income tax purposes and even the elimination of 100 per cent deductions of charitable contributions. The biggest lobby in Washington pushing tax reform has a bill which will increase the government's tax take by about \$18 billion. It is no coincidence that they have, in the other hand, recommendations for \$18 billion worth of welfare legislation.

### Gov't Paternalism

Those of the liberal persuasion say they "reject the notion that the least government is the best government." They go on to say, "the proper function of government is to direct and control the economy."

Some liberals claim our citizens are not intelligent enough to spend their money properly. They feel the government should take the money through taxation and then buy the welfare programs for the masses which they are not smart enough to buy for themselves.

When the old fashioned idea of living within our means and paying something on the National debt is suggested, these same liberals tell us that "only State and local debt is bad." Through some exotic bookkeeping methods, they seem to feel that the Federal debt is meaningless, and we are sacrificing our security on the false altar of a balanced budget.

(Continued on page 44)

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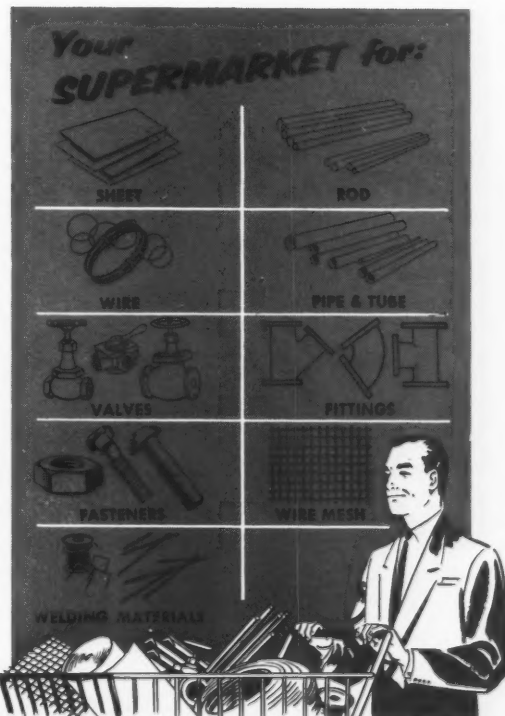


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# News Forum

*This department includes a digest of news and comment about Connecticut industry of interest to management and others desiring to follow industrial news and trends.*

♦ **TWO KEY** changes in manufacturing personnel were announced recently by the Fafnir Bearing Company. Thomas J. Leonard was named manufacturing controls manager, a new position. Anthony A. Cooper became production manager.

Mr. Leonard will have overall responsibility for all production control, inventory control, factory budgets, cost accounting, and shipping and receiving activities.

Mr. Cooper will have direct responsibility under Mr. Leonard for all production planning, scheduling and expediting, as well as for factory production divisions and for office and factory production-control systems.

♦ **JAMES P. GILLIES**, has been appointed director of marketing, Corset Division, Warner Brothers Company, and William C. Corey named corset sales manager of the Eastern Division according to John W. Field, president of Warner's.

Mr. Gillies, a vice president of the company and former sales manager of the Eastern Division, replaced Donald M. Marshman who recently resigned from the company. He will be responsible for research, sales promotion, publicity, national and cooperative advertising, marketing techniques and the company's educational department.

Mr. Corey, formerly assistant to the Corset Sales Director, will follow through on marketing plans with the two regional sales managers and sales representatives in his division.

♦ **"THE INSTALLATION and Servicing of Electronic Controls as applied to U.S.-Carlin Oil Burners"** is the title of a new bulletin published by The Carlin Company, Wethersfield.

Detailed instructions, fully illustrated, are given for proper wiring of the units which make up various electronic control sets. Also included are wiring diagrams, descriptions of control sets, information on proper installation of photocell holders and data on the use of the microampere meter for photocell testing.

♦ **AN ENTIRELY** new group of

angle-beam transducers, for use with ultrasonic flaw-detection equipment, has been announced by Branson Instruments, Inc., Stamford. Designed primarily for the company's Sonoray flaw detector, the transducers may also be used successfully with similar ultrasonic instruments.

Angle-beam transducers find many applications in industry, where hidden flaws, voids, porosities, or discontinuities in metals and other hard materials must be detected, even when access to only one surface is possible. Although, in many instances, straight-beam transducers are sufficient, angle-beam transducers offer certain advantages not otherwise obtainable.

♦ **A NEW** low-cost ball bearing in a flange-type iron housing is now available through The Fafnir Bearing Company of New Britain.

Of special application in the farm machinery and air-conditioning fields, the unit also meets the requirements of other machinery manufacturers, according to the company.

Known as the FLCT, the unit consists of a compact cast iron housing with a standard inner ring ball bearing and self-locking collar. It is interchangeable with Fafnir's 2-bolt Flangette stampings. The combination square and round bolt holes will accommodate carriage bolts or standard machine bolts.

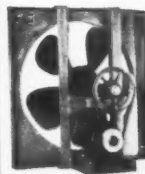
♦ **A MOISTURE** proof solenoid valve that includes a magnetic circuit completely encapsulated in epoxy, has been introduced to markets by Peter Paul Electronics, of New Britain. According to the manufacturer, the new valve represents unprecedented design advancement, including improved and precise electrical circuitry.

Peter Paul series 10 valve circuits are built to close tolerance factors, allowing the most minimum deviation only. Manufacturing and testing techniques employed are those developed and used exclusively by the 14 year old electrical manufacturer.

♦ **A TEST KIT** of miniaturized thermocouples is available from Harco Laboratories, Inc.

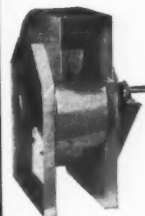
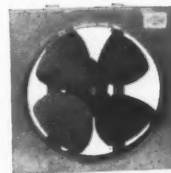
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The Thrift/Therm Test Kit has four specific types of thermocouples that handle more than 99% of thermocouple temperature sensing applications. Each kit has: A spring-loaded unit for internal surface measurement; ceramic-beaded unit for multiple surface temps; probe-type for liquids, gases—handles 3500 psi; exposed junction type for fluids, up to 3000 psi.

◆ **FOUR HUNDRED** employees at Revere Corporation of America in Wallingford, had special reason to cheer on the morning of May 5 as they heard the news of the Mercury "Man-In-Space" shot over the company's public address system.

As a supplier to the aircraft and missile industries, Revere manufactures four types of products: fuel system components, wire and cable thermocouples and harness and electronic force measurement equipment. Each of these lines made unique and important contributions to the successful flight into space.

Weight and center of gravity of the Mercury capsule, which had to be precisely known and controlled in the manufacturing process, were determined electronically by Revere force measurement load cells and readout equipment. A vital element in the fueling system of the Redstone booster, which propelled the capsule up into space, was a Revere high level float switch. And both Revere thermocouples and Revere wire and cable were an integral part of the capsule in which Commander Alan Shepard rode to fame.

◆ **SCOVILL** Manufacturing Company, Waterbury, now offers its new Round-Cornered Hexagon Screw Machine Rod in the same range of sizes as present standard Hex rod at no increase in price.

There are many advantages for screw machine operators in the availability and use of this improved rod form, according to the company. There is a direct saving of one-half of one percent in weight of metal for a given length of rod, a considerable item on long runs. The rounded corners, having a radius approximately 10% of the dimension across the flats, are less subject to nicking and burring in handling, hence can be depended upon to feed more smoothly into the screw machines and to reduce wear and possible damage to feed fingers, collets, and tools.

◆ **UNITED AIRCRAFT** Corporation joined the Air Force this spring in conducting preliminary tests of equipment designed for use in a new high-speed weather system being

developed in support of military aviation.

The initial tests were made on an experimental storm detection radar to be installed atop a 70-foot tower at the Air Force's Hanscom Field in Bedford, Massachusetts.

United Aircraft, through its Weather System Center, is taking part in the tests as integration contractor for the 433L system, a program for modernizing weather observing and forecasting techniques to meet special needs of the Air Force all over the world.

◆ **A NEW**, manually operated wet blast cabinet with optional work handling device has been introduced by the Pressure Blast Manufacturing Company, Inc., Manchester.

The wet blast cabinet has been designated as Model A-45 and the work handling device as the Rollo-Table.

Measuring 50 inches wide by 40 inches deep by 75 inches high, those areas of the wet blast cabinet in contact with abrasive slurry are fabricated of stainless steel as are all units in the Pressure Blast line. Skirting is fabricated of galvanized metal.

◆ **THE STANLEY WORKS**, New Britain, has introduced a new electric automatic door operator, compact and economically priced, fully powered and engineered for a wide range of commercial applications.

Pioneer in the field of automatic door operators since 1932, Stanley has added this new electric operator to its line of pneumatic and hydraulic operators. Designed for every type of application, pneumatic models are designed for installation above the header and in the threshold, the hydraulic for installation in the threshold.

◆ **SUPERIOR ELECTRIC** Company, Bristol, has recently introduced a new Powerstat Decade Line Corrector which is said to bring new versatility to laboratory, test and inspection applications. The line consists of three Powerstat variable transformers individually connected to three buck-boost fixed-ratio transformers. Superior 5-way binding posts with jumpers are provided and arranged so that the outputs can be inserted in the line or removed as desired. The output voltage adjustments can be made in any combination or individually as desired.

◆ **LEON J. DUNN**, vice president-operations of Veeder-Root Incorporated, Hartford, was awarded the "Professional Manager Citation" at the Top Management Night of the Hartford Chapter of the Society for Advancement of Management, held



at the Wampanoag Club, West Hartford in May. The award was presented by Vincent B. Coffin, chancellor of the University of Hartford.

Mr. Dunn was national president of the Society in 1951-52, and was elected to life membership in 1952.

♦ **QUANTUM, INC.**, Wallingford, has been awarded a twelve-month research contract by the U. S. Navy's Bureau of Ships for development of elastomeric materials with self-lubricating properties.

According to Dr. C. M. Doede, president of the Connecticut laboratory, the study has as its ultimate objective the production of dynamic seals for rotating shafts and other components of precision mechanisms that will function for long periods of time in the absence of applied lubricants.

The study will include investigation of various chemical techniques for the production of high-lubricity elastomers; the fabrication of laboratory samples for testing; the evaluation of physical characteristics; the development of optimization data; and the preparation of sample seals for in-service tests by the Bureau of Ships.

♦ **EASTERN Machine Screw Corporation**, New Haven, has announced the availability of a new bulletin, No. 12D, entitled "H&G Styles DMS & DMSL Stationary Insert Chaser Die Heads."

The bulletin contains details about H & G Stationary Die Heads, Styles DMS Self-Opening and DMSL with Alignment Feature, and about H&G Throw Away Insert Chasers. These Stationary Die Heads are for use on turret lathes, hand screw machines, and other applications where the die head does not rotate.

Copies of the bulletin are available from W. F. Coutts, Sales Manager.

♦ **FOX PRESS, INC.**, Hartford, has received two awards for outstanding printed specimens produced by the offset lithographic method of printing. The awards, presented by the Lithographers and Printers National Association, were given to Fox for their own greeting card and for a menu produced for the Hearthstone Restaurant.

The LPNA citations are in addition to the honorable mention award presented by the Hartford Advertising Club to Fox Press for their "Graphic" series.

♦ **A NEW PROCESS** for preparing aluminum alloys for electroplating which can be used to plate all commonly electroplated metals on all aluminum alloys is fully described

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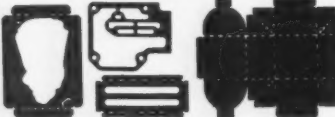
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in Technical Data Sheet No. 13, a six-page usage and instruction sheet prepared by MacDermid Incorporated, Waterbury, manufacturer of metal cleaning, plating and finishing chemicals.

Called the MacDermid Alumetex Process, the series of treatments includes an alkaline soak cleaner, two acid etches, an immersion coating and a final copper strike. No special skills are required, since all the steps in the Alumetex Process call for ordinary plating room techniques.

◆ **SKINNER-HORTON** Chuck Division of Skinner Precision Industries, Inc., New Britain, has introduced a new positioning device. The standard size of this three-jaw-self positioner has a capacity of 3" to 40", larger and smaller sizes are available on special order.

The manufacturer describes this as a fast, accurate positioning device for such applications as welding and flame hardening. Hardened steel jaws open and close at a turn of a wrench and work is automatically centered.

◆ A **UNIQUE** periscope system, designed and built by Perkin-Elmer Corporation, Norwalk, rode down the Atlantic Missile Range with the Mercury astronaut on his successful sub-orbital flight.

The periscope was built by the Electro-Optical Division of the company for McDonnell Aircraft Corporation, prime contractor for the NASA Mercury capsule. Its purpose is to give the astronaut a view of the earth below, indicate his altitude and provide vital navigational data.

◆ A **NEW** 3/8-inch Dovetail Form Tool Holder with a 10-degree front rake (fits front and rear slide) for single-spindle automatic screw machines has been announced by Royal Machine & Tool Corporation, Berlin.

The device is claimed to effect savings of 40 percent and more over the cost of conventional circular form tools. In use, it is said to provide greatly improved finishes on production parts; is quicker to set up and quicker to return to the screw machine after sharpening. When returning the dovetail form tool after sharpening, a scale may be used to align the cutting edge with the centerline of the production part. Little or no adjustment is normally required, and downtime is kept to a minimum.

Known as Grip-Lock D.F.T. the new tool holder is immediately available nationwide from the company and through its distributors. A new information bulletin (D.F.T.-3) and the location of Royal distributors are available upon request.


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◆ A LINE of special driving centers has just been announced by Power-Grip Inc., Rockfall. The line has been engineered to hold tubular work-pieces for O.D. turning, grinding or cutting splines.

Usually two handlings are required for this operation with the work piece reversed between these operations. Completely finishing the work piece in one chucking does save time and produces better work to closer concentricity limits. The special driving center has a bull nose center, to center large I.D.'s. The driving center is spring loaded. When pressure is applied to the tail stock the spring loaded center retracts, causing the end face of the work to engage the drive pins. Thus the work piece is firmly held and can be machined from end to end in one chucking.

◆ PYE AND HOGAN MACHINE CO., Meriden, was cited for its manufacturing growth by the Meriden Chamber of Commerce at the Chamber's annual meeting held recently.

Dudley A. Dutton, president of the Chamber, said the firm was chosen for the citation because of its major expansion during 1960.

The company had a modest start



Joseph Hogan and Donald F. Woods of Pye and Hogan Machine Company accept plaque for the firm's foresight in construction of additional manufacturing facilities in Meriden. Presenting the plaque is L. A. Tobie (second from left). Looking on is Dudley A. Dutton.

in 1951 when Joseph E. Hogan, president and treasurer, set up a machine shop in a two-car garage at the rear of 139 Colony St. In 1958 Mr. Hogan was joined by Donald F. Woods, vice president and office man-

ager, and the firm acquired 3,000 square feet of floor space, employing three persons in a machine shop operation.

In 1960 the firm nearly doubled its floor space and now employs 52 per-

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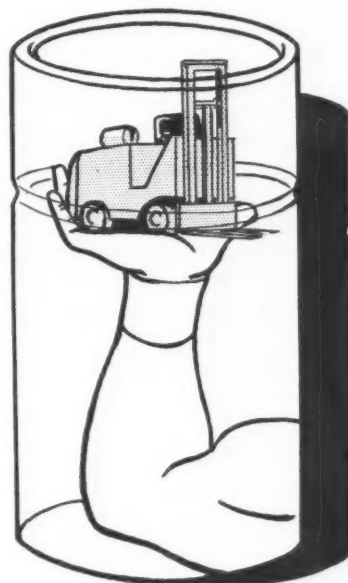
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sons. The operation is essentially that  
of a machine shop, doing contract  
work on machine parts and assemblies.

◆ **THE BRANFORD COMPANY**,  
New Britain, has announced two new  
models in their increased efficiency  
line of Vibrajust Pneumatic Vibra-  
tors, and at the same time has intro-  
duced an outstanding development  
in their Vibrajust Impact-Frequency  
Adapter. The latter gives full range  
control of the vibrator's frequency  
as well as impact control.

For the first time, and with a stand-  
ard package, the impact and fre-  
quency of pneumatic vibrators are  
controllable.

◆ **THE APPOINTMENT** of Clem-  
ent L. Burlingame as employee and  
public communications manager has  
been announced by The Fafnir Bear-  
ing Company, New Britain.

Mr. Burlingame will be a member  
of the personnel staff and, in addi-  
tion to other communications, will  
edit the company's employee publica-  
tion, "Fafnir News". As editor he  
succeeds Judson E. Pratt who has  
been transferred to a new assignment  
in the Sales Department.

Mr. Burlingame was formerly exec-  
utive director of the Committee on  
Business Information, an association  
of local industrial firms, in Worcester,  
Mass.

◆ **U. S. PATENT** 2,979,367 has  
been granted to Bruce L. Mims, vice  
president-engineering of The Barden  
Corporation, Danbury, and Henry  
Konet, engineering consultant to the  
company, for their invention of an  
electro-magnetically powered ball bear-  
ing assembly.

The patented mechanism, assigned  
to Barden and designated the "Dy-  
namic Bearing," consists of a bearing  
within a bearing, the outer ring of  
the inner bearing being oscillated by  
a built-in electromagnetic drive. This  
action keeps the middle ring of the  
two bearings in motion, cancelling  
out the friction torque resisting nor-  
mal rotation of the bearing, and re-  
sulting in near-zero bearing friction.

◆ **APPOINTMENT** of John B.  
McPherson as national sales manager,  
technical products, Flexible Tubing  
Corporation, Guilford, has been an-  
nounced by Frederick K. Daggett,  
president.

Mr. McPherson will be in charge of  
all sales activities of the Technical  
Products Division, including direction  
of sales personnel and the formula-  
tion of advertising and sales promo-  
tion policies.

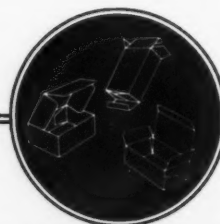
◆ **THE FIRST** "Talking Still Pic-  
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cently to the National Convention of the Department of Audio-Visual Instruction, N.E.A., meeting in Miami Beach, Florida.

The new device called "Soundstrip" by its producers, The Kalart Co., Inc., of Plainville, utilizes a rotating light beam to scan an optically recorded sound track on a still picture film-strip.

A "Soundstrip" program produced on standard 35mm motion picture film (either color or black and white) contains a series of pictures arranged alternately with recorded sound messages in synchronized relationship. As each picture is projected on a screen its related sound message is scanned and reproduced through a built-in amplifier and speaker. Each sound message can contain up to 18 seconds (or less) of program time, and at the end of each message the film automatically advances to the next picture and sound frame.

◆ SEVERAL Connecticut plastic firms participated recently in an orientation program to brief 15 technician-demonstrators who will present the "Plastics-USA" exhibit in the Soviet Union this summer.

The four women and 11 men, chosen by a special U.S. Information Agency panel in Washington, are between the ages of 24 and 32. They speak Russian and are mostly college graduates who majored in Soviet studies.

The firms who assisted in briefing the team prior to their departure to the Soviet Union are: The Crestliner Division of the Bigelow-Sanford Co., Inc., Thompsonville; the Monsanto Chemical Co. and the Kestral Co., Springfield, Mass.; Jessall Plastics and Rowland Plastics, Kensington; C. F. Church Division of American-Standard, Monson; DeBell and Richardson, Inc., Hazardville, and the Fuller Brush Company, East Hartford. The group also visited the plastics and building show of the Society of Plastics Engineers at the Springfield Fine Arts Museum.

◆ THE BOARD of Directors of C. H. Dexter & Sons, Inc., Windsor Locks, has elected Fay H. Osborne as senior vice president, according to an announcement by David L. Coffin, president. Mr. Osborne has been vice president and technical director of the company since 1935.

Another personnel change is that of Dr. George D. Knight, who has been named acting technical director. Dr. Knight joined the company in 1948 and was named mill manager two years later. In 1958 he became vice president and plant manager, a position he continues to hold.

◆ A NEW and versatile work basket that may be used singly or in combinations for heat treating applications has been designed by Wiretex Manufacturing Co., Inc., Bridgeport, fabricators of parts holding fixtures.

Made of 1/8 inch sheet type 330 alloy, the basket is corrugated for greater strength and more even distribution of heat. The fixture is 25 1/8 inches in diameter and 13 1/8 inches deep. Designed primarily for pit type furnaces, a single basket is capable of holding a load of up to 2000 pounds.

◆ BARNES ENGINEERING COM-

PANY, Stamford, has announced the appointment of D. A. Korman as product sales manager.

The company, which manufactures infrared and electro-optical instruments and systems, is expanding and diversifying its activities into medical electronics and instrumentation for research and industrial applications, and is increasing its staff of scientific personnel and facilities to nearly double its present capacity.

Mr. Korman was formerly sales manager for Farrand Optical Co., Inc. He pioneered in the development of spectrofluorometers, monochrometers,

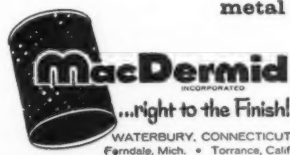


No indignant phone calls about chrome peeling off the faucets . . . no irate letters about ugly blotches of rust on the washer. Just a "Silent Complaint" and you lose a customer without even knowing it!

After a few years of service, will the finish on your products reflect the same quality that sold your products in the first place? That's when customers put their heads together and damn or praise your company.

MacDermid representatives have the metal finishing background you need to get the right finish on the right product. They draw from a "supermarket" of products to meet all your needs . . . and they're backed by one of the most progressive research laboratories in the industry.

Write Harold Leever, President, for full details on how MacDermid's know-how, broad product line and knowledge of all phases of metal finishing can help your company.



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photometers and similar instruments, as well as optical and electronic systems for military applications.

♦ A NEW catalog on Helicoid pressure vacuum and compound indicating gages, designated as DH-54, has just been published by Helicoid Gage Division, American Chain & Cable Co., Inc., Bridgeport.

In addition to illustrating and describing the construction features and operation of the exclusive Helicoid movement which incorporates a helical roller and, therefore, has no gears or teeth to wear out, the catalog describes the various types of cases, dials and movements such as bronze, steel, stainless steel and K Monel. Ease of calibration and adjustment is also pictured.

♦ GENERAL VENTURE CAPITAL Corporation, New Haven, has been granted a license as a Small Business Investment Company pursuant to the Small Business Investment Act of 1958. This federal license was granted recently by the Small Business Administration.

Equity capital will be provided to small business concerns and General Venture Capital will cooperate with banks and other financial institutions in assisting with the growth in providing long term loans for small business.

♦ EMHART Manufacturing Co., Hartford, has announced the appointment of Robert L. Tagen as public relations manager.

Mr. Tagen was formerly editor of *Modern Plant Operation & Maintenance*, published by Boston Publishing Co., a subsidiary of Cahners Publishing Co., Boston. He also served nine years on the editorial staff of the Associated Press and was a reporter for Worcester (Mass.) Telegram.

Mr. Tagen will supervise internal, external and corporate public relations for the multi-division corporation.

♦ JOHN DEWHURST, president of Arrow Tool Co., Wethersfield, has announced that two members of the Arrow organization have been advanced in grade.

Armand Des Roberts has been appointed shop superintendent, after a rapid rise from toolmaker, to supervisor, to general foreman.

Charles Vassilopoulos has been appointed to the Estimating Department of Arrow. Mr. Vassilopoulos has been engaged in tool, fixture, gage, and product design for about eleven years.

♦ EBEN HASKELL, manager of The United Illuminating Company's Commercial and Industrial Sales De-

partment, has been elected assistant vice president of the company.

Mr. Haskell was graduated from Massachusetts Institute of Technology with a bachelor of science degree in electrical engineering. Before joining UI in 1940 he held positions with the General Electric Company and the New England Electric System. After joining UI, he organized the Lighting Sales Department and later was made manager of the Commercial and Industrial Sales Department after its organization in 1946.

♦ THE WHITNEY "MSL" line of self-lubricating power transmission and conveyor chains is now available in 1" pitch, American Standard #80, it was announced recently by the Whitney Chain Co., subsidiary of Foote Bros. Gear & Machine Corporation.

The expanded line of 1" Pitch #80 MSL chain is available in single, double, triple and quadruple strands, in riveted or cottered type. Average ultimate strengths range from 13,000 pounds in single strand to 52,000 pounds in quadruple strands.

♦ MISS MARLEEN BOUDREAU, senior at New Britain High School, has been awarded the first prize of \$500 by The Stanley Works, New Britain, in its fifth annual essay contest on the subject "The Role of Industry in the Development of America."

The purpose of the contest is to impress upon today's youth the importance of industry in the life of their community and the nation.

Miss Boudreau was one of four members of the senior class who won \$1100 in prizes for their essays in the contest. Other winners were: Miss Gale Just, Miss Maureen Berrett and Lucien Kraszewski, all of New Britain.

The winning essay, "Automobile Equals Prosperity" shows the impact of the automobile in the United States on industry and the American standard of living since the invention of the automobile 51 years ago.

♦ A NEW BOOKLET called "Guessing at Mail Weights Can Hike Your Postage Costs," is available from Pitney-Bowes, Inc., Stamford.

The booklet explains that poor scales result in two kinds of errors: overpayment, which wastes postage, and underpayment, which results in "postage due," delivery delays and annoyances to the recipient. Described in the booklet is a simple scale test anyone can make to test the accuracy and readability of postal scales.

♦ THE ADVANTAGES of fully automatic socket screw feeding and

driving are now available in a compact, portable machine just announced by The Bristol Company, Waterbury.

Not only can the machine itself be moved from one location to another, but the gun-type driver will automatically receive and drive screws at distances 25 feet and more from the machine.

High speed screw insertion, up to 2000 production units per hour, is facilitated by 100% screw feed. Screws are magazine fed to the selector-indexing mechanism. The correctly positioned screws are then carried by air pressure through a flexible tube to the driving gun which seats them to preset depth or torque. An air regulator prevents overtightening.

♦ ROYAL MCBEE Corporation was one of five companies honored recently by the National Chamber of Commerce at its 49th annual meeting. The business machines firm received the Chamber's top National Recognition Award for Economic Understanding.

These awards were presented by the Chamber in recognition of programs designed to explain and interpret to employees the operation of business and free enterprise through letters, publications, meetings and bulletin boards.

Royal McBee received the award for its activities in its Hartford production facilities where all Royal office typewriter models are manufactured.

♦ A STAINLESS Machining chart, Sec. A, No. 5 has just been issued by Peter A. Frasse & Co., Inc., Wethersfield. It provides a table of recommended machining rates for 37 different types of stainless steel, including the PH (Precipitation-Hardening) grades. Anyone using or contemplating using stainless should find the chart helpful in planning, production or purchasing.

Printed on durable card stock the chart is 8½ by 11 inches 3-hole punched and tabbed for easy filing and ready reference. Copies may be obtained by writing Peter A. Frasse & Co., Inc., P. O. Box 1949, Hartford 1.

♦ A. F. MURRAY, vice president in charge of manufacturing at Electrolux Corporation, Old Greenwich, until his retirement, died recently.

Mr. Murray joined Electrolux in 1942 after many years of manufacturing experience. After obtaining his mechanical engineering degree from Lehigh University, he worked for many concerns developing and installing improved manufacturing methods.

For many years he was on the head-

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MILWAUKEE tools	RUST-OLEUM coatings
WRIGHT hoists	

quarters staff of the Westinghouse Electric Corp., a post he held before joining Elecrolux. During his 15 years at Elecrolux he served as works manager and vice president.

A past director of MAC, Mr. Murray was a director of the Putnam Trust Co., a life member of the American Society of Mechanical Engineers and past director of the Greenwich Chamber of Commerce and the Management Council of Southwestern Connecticut.

♦ A TEN-YEAR guarantee of accuracy to millionths of an inch, unprecedented in the machine tool industry and made to emphasize the superior workmanship of American-built equipment over lower-priced imports, has been announced by the Moore Special Tool Co. of Bridgeport.

The company produces jig borers, jig grinders and measuring machines used extensively in toolrooms for highly precise locations.

"American machine tool builders can only match the lower wages of foreign manufacturers," Mr. Moore said, "by standing firmly on superior engineering and workmanship. This must be done by aggressive marketing of proven values."

Mr. Moore explained in making this accuracy-plus-durability guarantee that the company's 30-year experience with hardened, ground and lapped lead screws has provided sufficient data to project the performance of their No. 3 machines over a 10-year period.

♦ DOUGLAS H. NEWTON has been named plant superintendent of the Taftville operations of Artistic Wire Products Co., Inc.

Mr. Newton was formerly superintendent of Ponemah Mills. He was educated at Fryberg, Maine and at the University of Connecticut.

♦ CARL W. BETTCHER, chairman of the board of Eastern Machine Screw Corporation, New Haven, has been presented with a gold micrometer, a symbol of 40 years of executive service in the screw machine products industry.

The presentation was made at the 28th annual meeting of the National Screw Machine Products Association at Boston.

Mr. Bettcher was the founder of the Screw Machine Products Association, Eastern Division, and served as its secretary for 20 years, was vice president of NSMPA for two terms, has served on 16 different committees, and is currently a member of the association's Honorary Advisory Board.

♦ THE LINDE COMPANY dedicated its new flame-plating plant on

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Sackett Point Road, North Haven, recently. It is said to be the third such facility in the United States and will serve Atlantic Coast areas with Linde's unique coating process.

William B. Nicholson, president of the company, explained at the dedication ceremonies that the plant provides a service rather than a product. Manufacturers who want their products flame-plated for durability, send the parts to Linde for this treatment.

Flame-plating, introduced in 1953, is Linde's patented process by which coatings of hard substances (such as tungsten carbide and aluminum oxide) are applied to parts made from a variety of base metals and most other materials (even including glass) providing them with far greater resistance to wear, abrasion, erosion and corrosion.

◆ A COORDINATED regional plan for 15 communities of the Greater New Haven area, including a highway thoroughfare system, sanitary facilities for incineration and sewage disposal, recreational and public land use and region-wide industrial development, is envisioned in a prospective program announced recently by the South Central Connecticut Regional Planning Agency.

Agency Chairman, Peter P. Hale of Wallingford, said that members had voted unanimously at a recent meeting to adopt a \$65,050 budget to draw up the four-point program. The raising of this money entails a local share from the 15 towns of \$20,722; a Federal share of \$23,605 and a State share of \$20,722.

Mr. Hale said that the budget would provide for reorganizing the agency to make it more effective and give it an opportunity to create a permanent staff. "This will make it possible," he said, "for us to establish an orderly sequence of planning studies which will eventually culminate in the preparation of a regional plan and the establishment of regional planning on a more dynamic and continuing basis than has been possible to date."

◆ H. J. NELSON, president, The A. H. Nilson Machine Company, Shelton, has been presented an award by *Metalworking* magazine for the new Nilson "Fourslide Design & Tooling Handbook", by Harry Wharfen, editor of the industrial trade journal.

The April issue of *Metalworking* featured the 500 best metalworking catalogs for 1961. A panel of qualified judges analyzed 2,700 catalogs, and from these they chose the 500 best. The catalogs were then divided into five categories: Machine Tools,

Metalworking Equipment, Tools & Gages, Parts & Supplies, and Metal-Forming Equipment. The Nilson catalog received First Award in the Metal Forming Equipment group.

◆ A NEWLY engineered nose grinding fixture incorporating a rocker motion for accurate and economical sharpening of gun drills is described in an illustrated brochure prepared by Eldorado Tools and Manufacturing Corp., Milford. The four-page folder is available upon request.

Specialists in engineering and manufacturing gun drills and gun-bore tools, Eldorado has developed the new rocker fixture as a means of accurately sharpening gun drills without the use of costly and elaborate machin-

ery. The Eldorado fixture has a rocker base with stops for proper angle positioning of drills and comes with a universal micrometer head holding block for drills from 1/4-inch to 1-inch diameter or individual blocks for any specific diameter from .078 to 1". The fixture may be used with any bench or pedestal grinder.

◆ EDAL INDUSTRIES, INC., has named Robert A. Canyock of Orange as its advertising agency.

The electronic firm is located in their own building in East Haven. They more than doubled their capacity for manufacturing copper oxide rectifiers and selenium rectifiers when they moved there a year ago.

# CMS

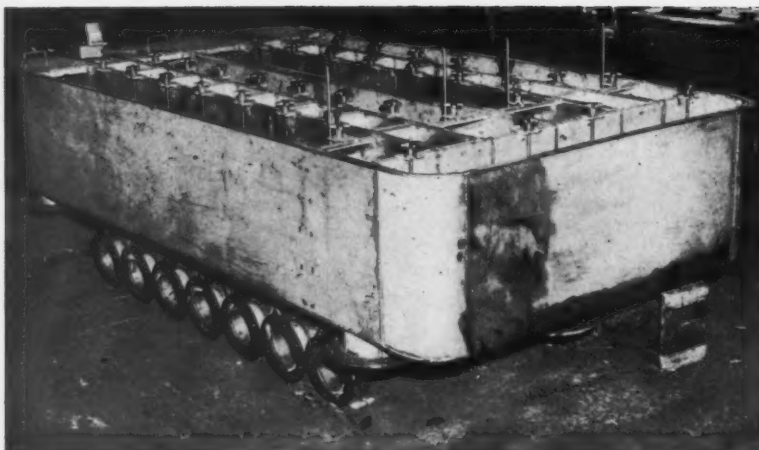
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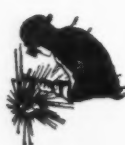
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◆ **MANAGEMENT** and ownership of Safety Electrical Equipment Corporation, Dixwell and Putnam Avenues, Hamden, were returned to the New Haven area, effective April 30, when a local group headed by Robert B. Dodds and John J. Kennedy purchased the corporation jointly with Ajax Magnethermic Corporation of Youngstown, Ohio. Originally the Hamden operation of Safety Car Heating and Lighting Co., after being held under the financial control of out-of-state interests since February 1959, the company has now become a Connecticut corporation which will operate under the name of Safety Electrical Equipment Corporation, under which it has been operating since February, 1959.

Officers of the corporation are Robert B. Dodds, president and treasurer; John J. Kennedy, vice president and secretary; Oscar H. Lampe, assistant treasurer and Curtiss K. Thompson, assistant secretary.

Mr. Dodds, who has been vice president and general manager of the firm since 1955, stated there will be no change in name nor in management nor organization. He emphasized that research and development of new products to keep pace with improved technologies and changing conditions will continue.

The purchase represents a successful conclusion to efforts by Mr. Dodds and Mr. Kennedy for more than two years to bring the company's management back to Connecticut. It also solidifies a most satisfactory relationship, in force since early 1960, between Safety and Ajax Magnethermic under which Safety manufactures a complete line of motor generator power supplies for Ajax Magnethermic's induction heating systems.

In addition to developing and tooling this complete line for Ajax Magnethermic, in the same period Safety has developed and is manufacturing a number of special motor generator sets and their electronic controls for Polaris submarines under contracts with the Bureau of Ships, U. S. Navy. These recent developments supplement the firm's electrical and air conditioning equipment for railroad passenger and commuter cars and rotating electrical equipment and controls for specialized commercial, industrial and marine applications.

In making the announcement, Messrs. Dodds and Kennedy expressed confidence that the steady growth of the company would continue and stated that their goal is to approach annual gross sales of \$8 to \$10 million by 1970. New developments in the last two years have resulted in a 50% growth in annual sales and net profits, they said.

## Press Views New Skinner Products

(Continued from page 12)

V-5 series of miniature valves which Skinner pioneered some 15 years ago.

The new valves, described as the B Series, are particularly designed for use in hydraulic and pneumatic devices and control systems, and operate with all common media including many semi-corrosive fluids. Body and operating parts are stainless steel. According to the manufacturer, they are smaller than any other standard line of valves presently available, measuring only 1" in diameter x 2 1/4" high, and weighing 5 ounces. Orifices are 3/64", and fluid connections are all 1/16" PTF. Because of this small size, Skinner provides with each valve, fittings to adapt to standard 1/8" flared tube.

Complete specifications, dimensions, performance characteristics, other data and prices on both the sub-miniature B Series Valve and the Polynoid Linear Actuator are available upon request from the company.

### Company Development

The present company is an outgrowth of The Skinner Chuck Com-

pany, founded by James Skinner of New Britain in 1887 to produce self-centering geared screw and independent scroll chucks. Through the years the company was frequently expanded from its original one-room factory until it was housed, along with other Skinner Divisions in a new modern one-floor plant completed in 1954.

Skinner recently purchased the Horton Chuck line from Geometric-Horton Division of United-Greenfield Corporation and the division name was changed to Skinner-Horton Chuck Division, making an extensive additional chuck line now available from the company, including a new indexing chuck and a heavy-duty, power operated chuck, introduced last year, that permits an operator to index jaws under full pressure.

The Skinner Solenoid Valve Division resulted from the company's policy to diversify product types and lines. In 1947 the first Skinner solenoid valves were offered in limited types and sizes. Since then the product line was expanded to meet increasing consumer demands which culminated this year in the introduction of the sub-miniature B Series, stainless steel, solenoid valve, said to be the smallest solenoid valves on the market.

In order to further diversify the company's product line, Skinner inaugurated its New Products Department in 1960, with the unique Polynoid linear actuator being its first new product. This new product and the company's new B Series Solenoid valve were shown at the Design Engineering Show in May.

Among the officers and executives who welcomed the guest press representatives were: President Paul K. Rogers, Jr.; Vice Presidents Donald M. Stevenson, Donald C. Campbell and George A. Goepfrich; Secretary-Treasurer, Robert B. Twohig and Richard T. Spear, Industrial Relations Director.

### MAC Award Ceremonies

(Continued from page 13)

cal School, Bridgeport, tool and die.

#### NEW LONDON COUNTY

Douglas Montie, 17, 155 Dunham St., Norwich, Norwich Technical School, machine drafting.

#### MIDDLESEX COUNTY

Norman A. LaPiene, 19, Chestnut Hill, East Hampton, Vinal Regional Technical School, Middletown, machine.

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Alfred W. Cavedon, vice president, MAC, presents her Citation of Merit to Miss Frances Rudolewicz, top graduate at the E. C. Goodwin Technical School, New Britain. Other prize winners in photo are, left to right, Michael Yevich, Kenneth P. Botticello, Douglas Montie and William A. Royer.

#### WINDHAM COUNTY

Kenneth P. Botticello, 18, Mile Hill Rd., Tolland, Windham Regional Technical School, machine drafting; William A. Royer, 17, Canterbury Rd., Plainfield, Harvard H. Ellis Regional Vocational Technical School, machine.

#### LITCHFIELD COUNTY

Edward J. Luciani, 18, 207 Roosevelt Ave., Torrington, Oliver Wolcott Technical School, machine.

The awards were made by Alfred W. Cavedon, vice president of MAC and president of the Aldon Spinning Mills in Talcottville, following talks by Carlyle F. Barnes, president of

MAC and of the Associated Spring Corporation, Bristol, and by Dr. William J. Sanders, Commissioner of Education. Other speakers included Fredrick H. Waterhouse, executive vice president of MAC, and Emmett O'Brien, director, Division of Vocational Education.

Head table guests at the luncheon included William Horowitz of New Haven, chairman of the State Board of Education, Laurence W. Eddy, chief, Bureau of Vocational-Technical Schools, Earl W. Bowler, U.S. Department of Education, Washington, D. C., and Dr. Joseph T. Nerden, chief, Bureau of Technical Institutes.



From left to right are Norman A. LePiene, Robert Russell, William G. Scoville, Prince Technical School, receiving his citation from Fredrick H. Waterhouse, executive vice president, MAC, Michael P. Ciriello and Michael F. Carbone.



## Moral Awakening Seen As Our Greatest Need

(Continued from page 14)

out the obvious fact that a decline into the darkness of death for civilizations in times past has been marked by a preoccupation with outward display and objects which appeal to the senses. When a nation lacks the inner discipline of moral courage in its people, this is often compensated by an inordinate desire for outward pomp. "Man looks on the outward appearance but the Lord looks on the heart." (1 Samuel 16:7).

In the realm of the heart and spirit, the nation is totally and completely dependent on the saving power of Jesus Christ. He alone is worthy of praise and until our people exalt Him and His reign in our midst, we will be an easy prey for the forces seeking our downfall. If the heart of America be lost, then the outward structure is doomed. It is late—very late—to give attention to the moral foundations. This must be the main priority of American effort. Time is running out.

## Steel Rule Diemaking

(Continued from page 9)

second proving at Acme. It is now ready for final inspection and shipping, and the time from initial planning to the third complete proving is normally within twenty-four hours. Acme abounds with special equipment as well as standard industrial tools. Because of its uniqueness, this trade does not have at its disposal as much standard equipment as one might expect as the result of experience in the tool, die, and more common manufacturing trades.

### Employee Training and Benefits

From the beginning, Acme management has conducted a training program for their production employees. Acme people are job trained. No vocational training course is provided in the high schools of Connecticut to cover the steel rule die trade. The company is approved as training ground under both state and G.I. training bills.

The people of the Acme plants are proud of their work and are cooperative in every situation. The company has always recognized the values in

its employees and provides them with ideal working conditions. Clean, neat, modern facilities; hospital Blue Cross and life insurance protection; a pension plan and fully paid vacations.

Acme Steel Rule Die Corporation is a member of the Waterbury Chamber of Commerce, the Small Manufacturers Association, the Manufacturers Association of Connecticut, and the National Paper Box Manufacturers Association.

The company serves industry nationwide with personalized service and guaranteed production from its plants in Waterbury, Connecticut and Rochester, New York and its sales offices in Boston, Massachusetts and New York City.

The corporation is headed by its president, Joseph DeHippolytis, and an executive staff including Ronald Cone, Plant Manager of the Rochester facility; Gene Grincunas, Plant Manager of the Waterbury facility; and Robert C. Besette, Sales Manager.

Information bulletins on both steel rule cutting dies and metal stamping dies are available to any interested party free of charge direct from the company main office at 210 Baldwin Street, Waterbury, Connecticut.

# 1961

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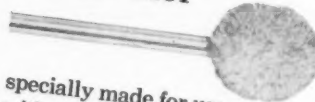
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# Transportation

By John B. Hedges

Traffic and Export Manager

## The Coming Crisis in Motor Transportation Part I

♦ THE common carrier motor transportation industry finds itself in a position where it will have to take a hard and realistic look at all of its operations. The demands of its labor forces for not only greater wage increases but for master contracts and ever-lengthening fringes constitute one factor of increased expense. The federal government, seeking means to finance the interstate highway program proposes sharply increased taxes on large tractor-trailer combinations as well as increases on diesel fuel, truck tires and tubes. Simultaneously, competitive pressures from railroad piggy-back operations and from privately operated motor trucks are cutting deeper and deeper into the long-haul truckload business.

The motor carrier industry has been under regulation by the federal government for slightly more than 25 years. In the years prior to regulation most over-the-road trucking was for relatively short distances. The New England territory, even though it had an extensive rail network, soon developed a number of small trucking concerns who gradually branched out from purely local operations into running from their domicile towns to the larger cities. Most of these organizations were small, family affairs with members of the family doing most of the work. Sometimes they got their compensation on a per trip basis, sometimes they were paid by the day or by the hour. Still others charged for their services on a hundredweight basis. At this point in their early development they were really not in competition with the established surface transportation facilities of the railroads and the express company. The highways on which they operated had been built for the private passenger automobile.

The depression of the early 1930's turned out to be a period of opportunity for these fledgling truck lines. No one wanted to carry a large inventory. The emphasis was on hand to mouth buying and quick turnover. That called for quick delivery of goods in far smaller quantities. The

intense competition for this business brought more and more operators into the field and was instrumental in bringing about economic regulation by the I.C.C. The I.C.C. had been charged with the regulation of the railroads, express companies, pipe lines, telegraph and telephone companies for many years. It was hoped that the regulation of motor carriers could somehow be forced into the same mold.

Actually, economic regulation was welcomed by the infant but growing trucking industry. Unlike the beginnings of railroad regulations in the 1880's, the Motor Carrier Act was not designed to regulate a monopoly. It was felt that the usual provisions for the publication and filing of rates, a ban on unjust, unreasonable and

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- Restaurant — Banquet Room  
— Cocktail Lounge
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discriminatory rates and practices would afford protection not only to the public but to the carriers themselves. It would put competition on the basis of service rather than cut-throat rate making and secrete rebating. One of the most onerous tasks facing the Interstate Commerce Commission when the admission of the Motor Carrier Act began in 1935 was determining who should operate where and what he could carry. The law said that if a carrier had been in bona fide operation as a common carrier by motor vehicle on June 1, 1935 and had continued to operate subsequently he would have established by that action what would be known as "grandfather rights". Proof of such operation would result in the issuance of a certificate by the I.C.C. without the necessity of proving public convenience and necessity. As a result, the Commission issued thousands upon thousands of certificates. The new law spelled out the difference between contract and common carriers but a great many of the small trucking operators, even though their grandfather operations had been essentially of a contractual nature, went ahead and got common carrier certificates. Operating rights soon began to take on real value and a few mergers commenced to take place as successful lines, operated by imaginative and enterprising men, reached out to gain access to new territory by acquiring additional rights.

The Congress in the mid 1930's was extremely susceptible to pressure from agricultural interests. Those interests represented not only the individual farmer but also farm marketing cooperatives, produce dealers, grain elevators and livestock markets. Their fear was that economic regulation would curtail their growing use of motor transportation, so we find the Congress writing into the Motor Carrier Act exemption provisions freeing the movement of agricultural products of all sorts from economic regulation. There was, of course, no such exemption in Part I of the Act which regulates railroads.

The motor truck had completely taken over local distribution before regulation and the patterns of doing business within municipalities all over the nation were so firmly fixed that the law had also exempted from regulations such local operations. The merchant and manufacturer had become more and more accustomed to having their freight picked up at their place of business or delivered to their doors. In every city there were, of course, local draymen who specialized in hauling freight to and from the local rail freight station



and the rail public sidings. Many of these operations had started with horses and drays and had become motorized in the 1920's.

(To be continued)

## Waterbury Farrel Dedicates New Plant

(Continued from page 11)

machines were introduced to a growing civilian market.

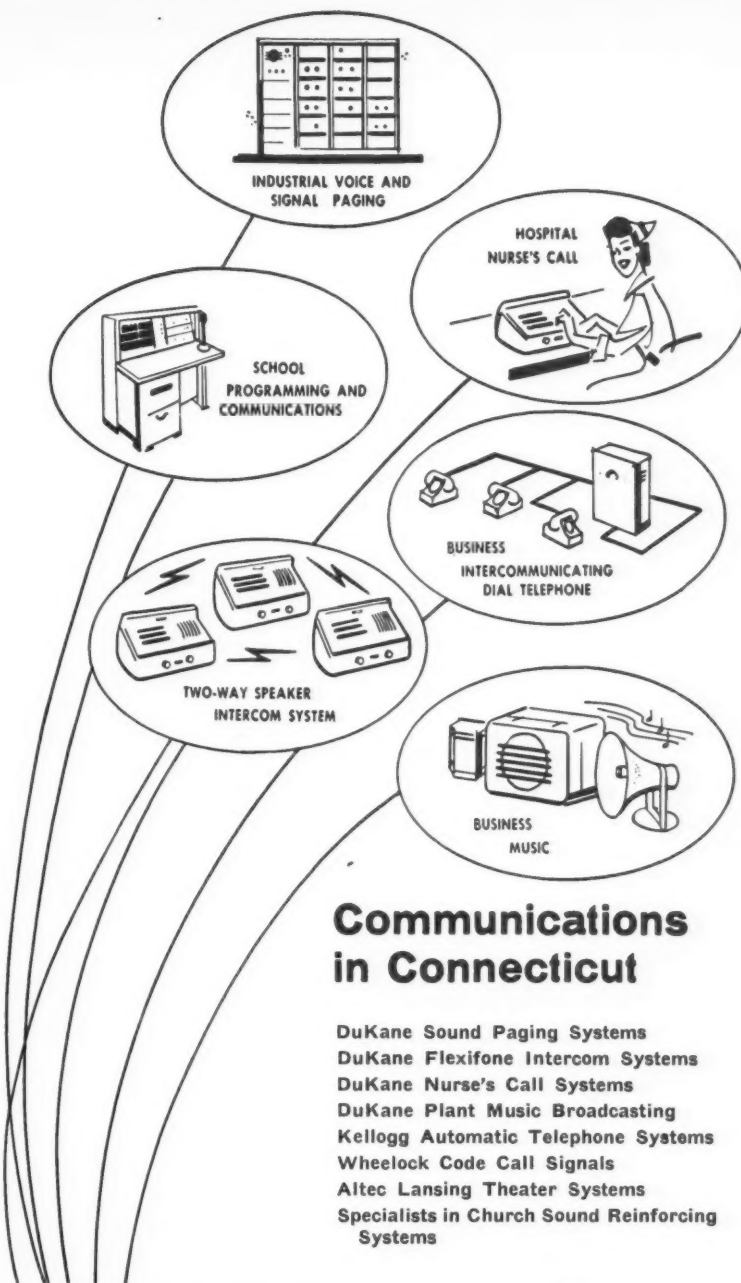
As the company's products became physically larger, it became apparent that larger and modern plant facilities were necessary. Therefore, in April 1957, the first bay of the new plant was started in Cheshire on the company's tract of approximately 100 acres. This first 50,000 square foot bay, which includes machine tool, assembly and test areas for heavy equipment, was placed in operation in April, 1958.

### Building Statistics

The size of the completed project comprising some 314,000 square feet of factory and office space, engineered by Westcott and Mapes of New Haven, and built by the H. Wales Lines Company of Meriden, is best illustrated by some vital statistics.

The building covers a ground area of approximately five acres or almost the size of four football fields. It includes five one-story factory bays 60 feet wide by 600 feet long, with overhead bridge cranes in each bay. The sixth bay is of two stories with the cafeteria, locker rooms, boiler room, and storage facilities on the lower level. Because the natural ground level slopes up to the front of the building, the second floor offices are reached directly from the roadway level. The office area is air conditioned and is finished with plywood paneling and painted masonry walls, a vinyl asbestos tile floor, and an acoustical ceiling with fluorescent lighting. A feature of the office area is the room accommodating the latest IBM accounting equipment.

The construction required 5800 cubic yards of concrete strengthened with 70 tons of reinforcing bars. The building frame contains 1800 tons of structural steel topped with 218,000 square feet of roof decking. The roofing includes 150 tons of insulation, 75 tons of roofing paper laid in 90 tons of pitch and finished with 500 tons of gravel. The side walls are built of 31,000 square feet of aluminum siding. The lighting system includes 2500 fixtures which in overall length would stretch about 3½ miles.



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# Public Relations

By CHARLES E. REICHE

Public Relations Director

## What Price Attitudes?

◆ TIME was when management either wasn't interested unduly in the attitudes and points of view of employees or else felt that it knew better than the employees what was best for them.

It's possible that management still holds one view or the other in some companies. Most people agree, however, that with the growing articulateness and thoughtfulness of industrial personnel it is wise to keep continually in touch with what employees are thinking, especially what its thoughts are about the company for which they are working.

Attitude surveys haven't just burst across the management horizon. They've been in use for some years now and as they have become more polished and refined are proving to be of more and more value.

The outstanding attribute peculiar to formal attitude surveys which makes them different from and more valid than other forms of personnel interviews is that it gives a company's entire force a chance to express itself on a variety of subjects all at about the same time.

Basically such a survey is a carefully planned and managed effort to find out what employees think of their jobs, their supervision and their company. As now designed, such surveys go much further. They not only pinpoint attitudes but usually provide, through careful study, the answers to problems turned up in the course of the survey.

A recent survey by the National Industrial Conference Board shows that there are at least 10 reasons why companies nowadays are making attitude surveys. Most companies, says NICB, usually have one purpose in mind when they make a survey but ordinarily they expect that the survey will be helpful in other areas as well.

Generally attitude surveys are conducted:

- \* to raise morale;
- \* to develop ideas for improving company operations;
- \* to ferret out inefficiency or other trouble spots;
- \* to measure current status against earlier survey findings;

- \* to pinpoint training needs;
- \* to compare company morale with that in other plants;
- \* to measure supervisory effectiveness in each department;
- \* to measure personnel knowledge and acceptance of company policies and practices;
- \* to determine whether company is pursuing the right course in the opinion of the employees;
- \* to determine what information should move through ranks of plant personnel.

As now designed, most attitude surveys take two forms.

Majority of the companies participating nowadays use written questionnaires. Some, however, claim that much better and more precise results come from personal interviews with each employee.

Proponents of the questionnaire claim it is more economical, faster, guarantees anonymity and gives 100 per cent coverage. The interview survey backers claim for their method that it not only clarifies *what* attitudes are in a company but that the question of *why* is also answered.

More and more companies, be it noted, are developing a survey format which combines both the questionnaire and the personal interview.

There are many questions which come up in the minds of management people in regard to surveys. The three which are asked most often concern the costs of employee studies, the attitude of the unions toward them and what they will do for management.

In regard to costs it should first be noted that not many industries are prepared to set up and conduct the surveys themselves. This means outside professional help must be hired. One consulting firm is reported to charge \$1.65 for each employee surveyed. This fee covers standard printed query forms, tabulation and scoring of the filled-in forms and an analysis of the results. There are, of course, additional factors to be added in. Time away from jobs for employees being interviewed must also be added into the ultimate cost.

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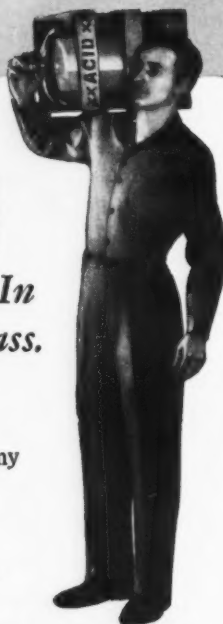
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Further, a majority of companies undergoing the surveys have found it wise to assign some of their lower echelon management staff to the project full time until it is completed. This, too, adds an additional sum to the final cost.

A company with 100 employees, then, paying \$1.65 per interview plus, approximately, \$2 an hour for lost time of personnel plus perhaps three months wages of two people earning \$7,000 a year would come to \$3,865. This would be a basic minimum. There might well be additional costs, although there probably wouldn't be too many of them. It should be noted, however, that very few consultants believe that worthwhile surveys can be run at the \$1.65 figure.

Obviously the larger the number of employees, the greater the cost will be.

Union attitudes toward such surveys seem to be mixed.

In many cases there has been indifference on the part of the unions and in others there has been antagonism. Balancing this, however, more than half the companies surveyed by NICB reported a favorable attitude by unions. In general, it seems that unions are inclined to take a warmer view of the surveys *after they have been made*. This is especially true where companies follow up the findings of the surveys in an efficient manner.

There seems little doubt that companies which have run employee attitude surveys have learned a great deal from them.

Primarily they are able to establish where they really stand in the minds of their employees. Further, and equally important, they almost always pin down problem situations which call for remedies. In many cases they find, often to their amazement, that there are flaws in the channels of communication between their leadership and the rank-and-file personnel.

It may well be that in the very smallest companies . . . the five to twenty-five-employee group which makes up such a large percentage of MAC membership . . . an attitude survey is, in effect, gilding the lily. Be that as it may, the larger a company is, the more valid such surveys become. They are, to be sure, a phase of industrial relations operations. But on a broader horizon they definitely are public relations projects, just as all industrial relations is a PR function.

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# Business Tips

## Do Manufacturers Have a Stake in the Trading Stamp Boom?

By T. K. LINDSAY

School of Business Administration  
University of Connecticut

◆ TODAY'S popularity of trading stamps has sharpened the long-standing debate between the proponents and opponents of stamp plans as a promotion method. When any type of promotion is new or zealously applied as a competitive weapon, it almost invariably creates a storm of controversy. Like advertising premiums, give aways, contests, as well as radio and television programming, the introduction of trading stamps has produced strong reaction among consumers, retailers, and other segments of the public. Trading stamps have been in use for some sixty years, but they have only attained their extraordinary popularity within recent years.

This article seeks primarily to focus attention on the present day effects of utilization of trading stamps in consumer-goods marketing and to indicate some possible future implications of stamp plans in industrial marketing. This article also attempts to present some objective information on the proportions of the trading-stamp boom and not to favor either the pro-stamp factions or the anti-stamp factions. Any marketer must necessarily decide for himself in light of his own situations as to whether trading stamps would be an effective competitive tool.

### How Stamp Plans Operate

By and large, trading stamps are viewed as a form of non-price competition purporting to give the buyer "something extra for nothing." Most modern stamp plans exhibit a high degree of similarity as to their mechanics of operation. A retailer usually issues one stamp for each 10 cents in sales, and consumers paste their stamps into books. Some 300 stamp companies exchange premiums for the consumers' stamp books at one of the 1600 redemption centers throughout the United States. The catalogs of leading stamp companies usually contain a choice of about 500

premiums comprising chiefly appliances and other types of home furnishings; however, some of these companies stock some 1500 items for use as premiums.

In using stamps, a retailer typically incurs an explicit cost of 2 to 3 per cent of sales for those sales upon which he issues stamps. Other implicit expenses may also result, including the cost of disbursing stamps. A Department of Agriculture Study has indicated that the value of a completed book of stamps ranged between \$3.42 and \$5.22 with a medium value of \$3.74. Generally speaking, a customer who has bought merchandise from a retailer offering stamps would receive an average return or "saving" of about 2½ per cent on those purchases. On the other hand, this saving might be more or less, depending on the particular mark-up policy of the retailer. For example, the saving would be less than 2½ per cent if it were computed on the basis of what the consumer could have purchased a similar item for from a discount house at less than the manufacturer's list prices.

### The Impact of Trading Stamps On the Consumer Market

Even the most ardent critics of trading stamps admit their popularity

in consumer marketing. The tremendous popularity of trading stamps has been largely explained by a variety of trends in marketing which are as follows: (1) the adoption of stamps by most large supermarkets, particularly those operated by major chains, (2) the affluence of the presently expanding consumer market, (3) the various court decisions weakening resale price maintenance laws in many states, (4) the opportunities for certain retailers initially to boost their sales, (5) the opportunity for consumers to obtain "free" merchandise, (6) the possibility of marketers' decreasing their relative costs for each sales dollar by using stamps for increasing total sales volume, (7) the search for effective patronage motives by retailers to attract and hold customers (8) the growing importance of shopping centers, and (9) the need for retailers with standardized lines and methods of operation to make themselves distinctive from their competitors, among others.

A survey conducted by a national retail chain in 1954 found that 52.5 per cent of the families questioned reported they were active stamp savers. If these results were projected on a national basis, they would indicate that some 29 million families were saving stamps in 1954. A more recent study has indicated that perhaps as many as 75 per cent of U. S. families are saving stamps, and that sales with which stamps were utilized amounted to some \$32 billion, including about 40 per cent of retail sales by grocery stores. This study has also estimated that in 1960 the trading stamp companies will collectively achieve a volume of business through their stamp sales of approximately \$700 million. The value of redemptions by the stamp companies in 1960 has also been estimated at \$700 million, if priced on the basis of manufacturers' list prices. Although reliable information concerning the total amount of merchandise



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purchased by stamp companies in 1960 for distribution as premiums, is difficult to obtain, one estimate has shown that the amount of such merchandise may have exceeded \$370 million. Most of these purchases were for appliances and home furnishings. Listed in the order of popularity, the most sought after premiums on the part of the consumers, according to one study, generally include lamps, pots and pans, electric clocks, bathroom scales, blankets, and bed clothing. In studying the stamp saving habits of consumers, several psychologists have concluded that these habits reveal a considerable amount concerning consumer motivation. Women constitute the greatest proportion of stamp savers.

Does the use of trading stamps increase consumers' prices? It is extremely difficult to give a definitive and up-to-date answer to this question, owing to the many claims and counter claims. The previously mentioned study of the Department of Agriculture has indicated that the retailers using stamp plans had prices averaging about 0.6 per cent higher than similar non-using-stamp stores. From this study, it would appear that the consumers would make a net gain if such consumers were to receive, as previously mentioned, a return or "saving" of 2½ per cent on his purchases, which are covered by trading stamps, and when such stamps are estimated to cost from 2 to 3 per cent of sales.

How can retailers afford the cost of stamps? It would appear that the retailers using stamp plans must either: (1) increase their prices, (2) realize substantial increases in their sales volume, or (3) achieve certain economies, particularly in other forms of promotion. Numerous instances have been reported to show that increases in sales volume have absorbed the cost

of stamps without increases in consumer prices, whereas perhaps equally numerous examples have been presented to demonstrate that stamps have increased the cost of sales with corresponding increases in retail prices. Despite the effect of trading stamps on consumer prices, the important thing to keep in mind is that a substantial number of consumers are saving stamps, and that stamp saving is an effective patronage motive in retailing.

### Impact On Industrial Marketing

Trading stamps have had very little direct influence on the marketing of industrial goods; however, a manufacturer selling industrial products has reportedly begun offering trading stamps to his customers in order to speed up the payment of his invoices. This manufacturer offers a given number of stamps to his customers if they have paid their bills within 10 days. Only a few other scattered examples concerning the issuing of stamps to industrial customers have been reported. Manufacturers contemplating the use of trading stamps should consult competent legal advisors before adopting stamps in their marketing activities.

An analysis of the trading stamp boom would indicate that manufacturers should not overlook trading stamp companies as potential purchasers of certain manufactured goods. In 1960, the amount of goods purchased by these stamp companies demonstrated that they are collectively among the largest buyers of appliances and related items.

### Conclusion

Like any other marketing tool, trading stamps are no panacea. Regardless of the arguments pro and con, trading stamps have proved their popularity as a promotion method in consumer marketing. In many instances, their effectiveness has been clearly demonstrated, while in other situations, their efficacy seems to be doubtful. Trading stamps have been a sales stimulant for many types of retailers. Whether the use of trading stamps will invade the industrial marketing field remains doubtful at present.

### Our Eroding Freedom

(Continued from page 18)

If I had a four inch stack of \$1,000 bills in my hand, I'd be a millionaire. If we had the national debt of \$293 billion before us in \$1,000 bills, the pile would be more than 18 miles high. Maurice Stans, former budget

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director, has said that this debt is only the part of the iceberg which shows above the surface. Legislation already enacted into law has obligated our government to more than \$750 billion. Adding to this the local and state debts plus the private debts of our citizens, we find that we are mortgaged in an amount more than double the market value of every tangible asset and every foot of real estate in the U.S.

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Our free economy is the basis of our strength, and the security of the entire free world depends on the fiscal stability of the U.S. Thomas Jefferson said, "We must make our selection between economy and liberty or profusion and servitude."

Speaking before the Virginia Legislature in 1788, James Madison said, "Since the general civilization of mankind, I believe there are more instances of the abridgment of freedom of the people by gradual and silent encroachments of those in power than by violent and sudden usurpations."

In 15 years, the number of public employees has increased 50 per cent, and the public payroll has gone up 170 per cent. One out of seven of the Nation's work force is a government employee.

One-fourth of our people is entitled to government paid medical care. One-fifth of our industrial capacity is government owned and operated. Senator Byrd estimates 40 million Americans receive some form of direct cash payment from the government.

Liberals challenge the right of the elected Congressman to investigate subversion, charging it is an invasion of privacy. However, they defend a Supreme Court ruling that an appointed official in Baltimore can invade a citizen's home without a warrant.

Can anything be done? Well, I think that you and I can do something. We must keep ourselves informed of the proposals submitted to Congress and weigh each of them as to the price in individual liberty as well as dollars. Ask yourself where any new proposal fits in the founding fathers' concept that government should do only those things the people cannot do for themselves. Then, inform your Representatives and Senators of your feelings. The Communist Party boasts that it can put 50,000 letters into Washington in

(Concluded on page 68)

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# Accounting Hints

Contributed by

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## Clerical Wage Incentives

♦ IT has been variously estimated that the average office or clerical employee works at about 50% of potential productivity. If so, almost half of the office payroll expense—one of the most crucial items in the administrative overhead category—is wasted.

Various methods have been and are being tried to remedy this deficiency and to increase the productivity of the clerical worker, thereby reducing expenses and increasing profits. Among the many methods aimed at narrowing the gap between potential and actual productivity are:

1. Improving working conditions
2. Increasing fringe benefits
3. Reducing the number of hours worked

These and other measures have one thing in common—they are indirect, intangible and difficult to appraise.

That a more direct, more dramatic method is available can be demonstrated if we will accept the fact that wage incentives already satisfactorily administered in many factories can be extended to the office worker. Although sporadic attempts have been made to popularize the concept and extend it to the office worker, very few companies exist today that are successfully operating a direct financial incentive plan for office workers. The few companies which are presently operating these plans are vastly outnumbered by the companies which have thus far disregarded their existence.

The basic principle underlying financial incentives is that the employee will work harder and faster if he is directly compensated for his efforts. Application of this basic incentive concept to clerical wages is sound and many companies with low clerical productivity would, regardless of size, gain from a properly conceived, executed and maintained clerical wage incentive plan. Before incentives are installed, however, improvements in office methods should be made to the greatest extent feasible. Procedures should be critically examined and analyzed to determine whether they are efficiently performed. Outmoded book-

keeping machine or obsolete addressing or tabulating equipment, for example, should be replaced. Similarly, procedures performed with or without the use of machines should be reviewed to see whether they are still necessary and, if so, whether they can be combined or simplified. In short, if incentives are to be paid they should be based on efficient methods so that what are, in reality, procedural improvements will not be paid for as production increases.

When the preparatory work has been successfully accomplished, the next major problem—deciding what operations should be included in the incentive and how should we do it—can be attacked. Operations that should first be selected for coverage are normally those that are repetitive and easy to measure—key punching, billing, filing, addressing, etc. Measurement of the various operations is necessary to determine the normal quantity that an operator or a clerk is required to produce before receiving extra compensation. This measure of work or standard can be based on either engineered standards or historical data or a combination of both. There is general agreement among leading industrial engineers on the advisability of applying standards sci-

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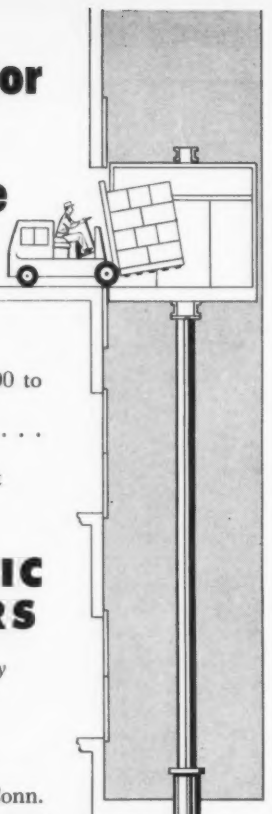
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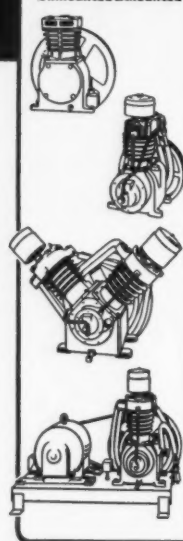
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entifically arrived at but the experience of leading companies does not always show this practice has been followed, perhaps because of the absence of more recently developed techniques. A decision to apply engineered standards at the present time does not necessitate time and motion studies. Tested standards for many clerical, manual or machine operations have been compiled and are available for use.

To insure uniform quality of the work as well as a higher output, a quality control incentive plan should be instituted to supplement the work incentive plan. Under such a plan bonuses are paid for maintaining a certain degree of quality and penalties are exacted for falling below it.

Employees who perform certain types of work as a group rather than as individuals may be paid a group bonus. In these cases standards will logically be established on the basis of the performance of the entire group rather than on the basis of an individual's performance. The group incentive pay will be distributed on an equitable basis among its members.

Certain other individuals who perform highly diversified work will probably have to be left out of the plan. This does not mean that wage incentives can be applied only to repetitive work, but rather that the time and effort involved in establishing standards accurately for diversified work is not worth the results, and a more practical method of providing financial incentive for these individuals must be devised.

Regardless of how standards are arrived at, however, extra compensation is paid for production above standards. This extra payment may seem paradoxical in principle in that office costs are being reduced at the same time that wages are increased. In practice, however, a properly installed plan will accomplish the desired results by permitting the employees to share with the employer the savings due to increased productivity.

To realize any improvement in clerical productivity through supervision requires more frequent and closer inspection of the quality of clerical work and the procedures used. However, such inspection often carries insinuation of lack of intelligence or ability or of good intention. The supervisor, aware of the sensitiveness of his subordinates, may also be reluctant to inspect. On straight salary or hourly wages, the office worker can be a most accomplished loafer; but placed on a wage incentive, he will put in longer hours, do better work, improvise ingenious short cuts and, in a fashion, sing at his work.

Now! HawkrIDGE announces

# PROFIT-UNIT ENGINEERING PLAN

*Another new HawkrIDGE service that builds  
planned savings into your metals buying.*

Today, every New England metals buyer has a remarkable new reason to come to HawkrIDGE for aluminum, steel and titanium. A new HawkrIDGE service, Profit-Unit Engineering Plan, insures scientific analysis which results in planned savings plus! Profit-Unit Engineering benefits can include product improvement, reduction of waste, more economical machining, reduced handling costs, lower cost of possession and many more.

## HOW PROFIT-UNIT ENGINEERING WORKS

HawkrIDGE staff engineers, working closely with your purchasing, engineering and production executives, will analyze your metals needs *against a background of the total application and manufacturing requirements.*

Specific recommendations will be submitted encompassing type, analysis, size, finishing and ordering quantities that will be most efficient for *your* company.

## PROFIT UNIT PURCHASING PLAN

Where applicable, they will recommend adoption of HawkrIDGE's exclusive Profit-Unit Purchasing Plan. This new Plan provides for an inventory of all the metal for specific production units carried, finished and packaged, at the closest HawkrIDGE Bros. warehouse. When it is delivered to you, each type and shape is labeled for the department or production unit.

## ESPECIALLY VALUABLE TO SMALL AND MODERATE-SIZE FIRMS

HawkrIDGE's Profit-Unit Engineering Plan is generally most valuable to small and moderate-sized companies, whose metallurgical staffs are limited. Yet, there have been many times when our practical knowledge has helped bigger companies, too.

## PROFIT-UNIT ENGINEERING IN ACTION

The full benefit of Profit-Unit Engineering can perhaps best be visualized by a few actual examples:

### Case History #162

**Company A.\*** Customer ordered a quantity of 1½" x 9" square flat ground steel. HawkrIDGE's Profit-Unit Engineering Analysis disclosed the fact that the part to be made was C-shaped, destined to be cut on a band saw with further chucking and machining operations necessary.

**HawkrIDGE recommendation:** Substitute Hollow Airkool-S for definite savings in machining operation, plus elimination of costly band sawing operation.

**Result:** Immediate per-piece savings on first cost of \$13.00, plus extensive savings in time and machining operations.

### Case History #235

**Municipal Purchaser X.\*** Dry bore rods which this governmental agency purchased were originally made of 4140 heat treated. Considerable in-use breakage was experienced.

**HawkrIDGE recommendation:** 1144 strain tempered steel would produce more satisfactory strength and yield characteristics.

**Result:** Breakage eliminated.

Subsequent Profit-Unit Engineering Review recommendation: Have a sub-contractor perform the machining operations and furnish the dry bore rods as a complete unit.

Final result: Cost reduced from \$4.50 per unit to \$2.59.

Additional benefits included stabilization of design which made the parts more uniform for ready interchangeability in use.

### Case History #273—\$10,000 Annual Savings

**Company M.\*** Profit-Unit Engineering Analysis simply uncovered the desirability of using bar stock instead of forgings.

**Result:** Improved microstructure for more uniform heat treat response, better machining speeds, longer cutter life. Actual cash savings — \$10,000 per year.

### Case History #289

**Company C.\*** Profit-Unit Engineering disclosed the feasibility of changing from 1018 Cyanided to Ketos oil hardening steel.

**Result:** Considerable savings per unit (wiper blades). In addition, controlled size eliminated many expensive finishing operations. Scrap loss reduced from as high as 30% to practically zero.

\*Correct names and documentation furnished on request.

**FOR COMPLETE DETAILS, CALL  
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**Profit-Unit Engineering is another example of:**

**"Keeping New England Industry Supplied Faster With  
Higher Quality at Lower Cost for over 75 Years"**

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COMPANY

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**David H. Murdock**, owner, Murdock Development Co., builder of Guaranty Bank Building, says: "With multiple forms and a systematic method of placing, stripping and reshoring, we were able to cast one story every 5 days. Nothing can match the efficiency of modern concrete construction!"



*Guaranty Bank Building. Architect: Charles G. Polacek, AIA, Phoenix, Arizona  
Structural Engineer: W. T. Hamlyn, Phoenix. General Contractors: Henry C. Beck Co., Phoenix*

## For the tallest building in Phoenix they chose modern concrete!

The beautiful new 20-story Guaranty Bank Building rates two special distinctions. It is not only the tallest building in Phoenix, but it is also one of the tallest concrete buildings in the entire West.

Economy was the basic reason for choosing concrete. With concrete frames and light-weight pan joist floors, construction moved along with record speed—better than one floor per week. Further economies resulted from the multiple use of forms, and scheduling went along smoothly because concrete is always available on short order. It's *there* when

you need it—another big saving in time and money.

Both front and back shear walls were faced with precast panels, with unusual exterior beauty achieved through the use of pure white portland cement. Even in the lobby of the bank, the functional beauty of concrete is seen in floors of gleaming terrazzo.

For impressive construction efficiency plus structural strength, beauty, and low maintenance costs, economy dictates the choice of concrete for structures of all dimensions and concepts.

### PORTLAND CEMENT ASSOCIATION

20 Providence Street, Boston 16, Massachusetts

*A national organization to improve and extend the uses of concrete*

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# Spotlight on the Future

Contributed by National Association of Purchasing Agents

By E. F. ANDREWS, Vice President In Charge of Purchases  
Allegheny Ludlum Steel Corporation

## General Business Conditions

Business will continue to improve throughout the balance of 1961, so say Purchasing Executives in their May report. It is expected that when the books are closed at the end of this year, they will show that 1961 was a better year than 1960. A strong 87% of those reporting anticipate a better second half, with the present upward trend being sustained for the balance of the year. A very small 2% look for a worse second half.

In their December report, our members indicated that they expected the downdrift current at that time to continue into the second quarter. When asked if 1961 has measured up to expectations so far, 58% reported that it has met or exceeded expectations. However, a healthy 42% reported that it has fallen short of the mark.

While the above forward "peek" is heartening, remarks of members indicate "no boom" in the making, and "cautious optimism" is still dominant. However, the definite upward trend noted last month continues in both new orders and production. While the rate of improvement from April to May is not as dramatic as from March to April, it is still pleasantly reassuring.

In January of this year, we asked our members to compare their planned capital expenditures for 1961 to their actual capital expenditures in 1960: 22% reported they expected to spend more, 48% the same, and 30% less. This month we asked them if, in light of the present upturn, they had changed their expectations. It would appear that the business improvement has loosened the purse strings a little bit, as now 29% report they expect to spend more in 1961 than 1960, 47% the same, and 24% less. Even though small, this could serve as further impetus to the gradual improvement forecast for the balance of this year.

It was interesting to note that, in answer to a special question this month, 93% reported that the present international turmoil has had no effect on their buying activities.

(Composite opinion of purchasing agents who comprise the N.A.P.A. Business Survey Committee, whose Chairman is E. F. Andrews, V.P., Purchases Allegheny-Ludlum Steel Corp.)

## Purchased Materials Inventories

Inventory reduction is noted again this month, as Purchasing Executives continue to exercise "hair line" control of purchased materials. While the rate of decline has slowed, those reporting lower inventories outnumber those reporting higher, a situation that has been with us since April, 1960. Certainly, the business improvement noted in the other indicators cannot be attributed to any inventory accumulation.

## Employment

May employment figures are again encouraging. The improvement noted since the low point in February of this year continues this month. Only 11% report a worsened employment situation, compared to 17% last month and 42% in February; 30% record employment as better, up from 29% last month and only 6% in February. Some members note that production improvement is prompting direct labor recall, but that indirect labor is still being held to the bone.

## Buying Policy

The very moderate lengthening of forward commitments during the first quarter leveled off in April, and the May report indicates little or no change during the past month. Actually, the over-all change in the extent of commitments between January and May has been slight indeed, with close-to-the-belt buying generally prevailing.

Delivery or lead time appears to be the determining factor in most cases, with strong disinclination among our members to speculate on shortages or price increases.

## Specific Commodity Changes

The increased price of copper, and most items containing copper, highlights this month's report of specific commodity changes. A few items also received considerable mention.

The "horn of plenty," though pared by inventory reduction efforts, has thus far been adequate to meet the challenge of increased buying activity, and nothing indicative of a general shortage is reported for any item.

On the *up* side are: Copper and copper scrap, copper products, tin, brass and antimony.

On the *down* side are: Zinc, multi-wall paper bags, glycerine, refractories, and hand tools.

In *short* supply: None.



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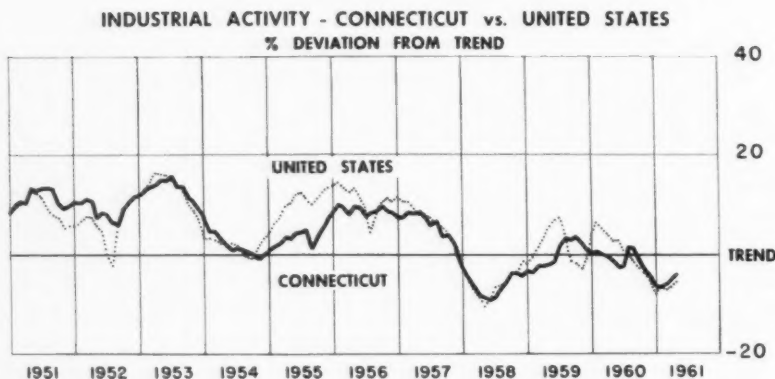
The magazine that won't let industrial buyers forget you are in business. KEEP business goin' your way.

SEND for advertising rates today.

# Business Pattern

**A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.**

## Recovery Continues



### Recovery

◆ APRIL was the third consecutive month of improvement in the Connecticut Index which rose 1.1 percentage points to -4.0%. Manufacturing employment, average hours worked per week and construction employment increased. Electric power sales stayed at the March level.

Connecticut unemployment declined in April for the second straight month from 7.7% to 6.9% of the labor force.

The United States Index continued the improvement which started in March, rising one point to -5.5%. The Index hit a low for the present recession of -8.0% in December 1960. This compares with the previous recession's low of -10.2% in April 1958.

Industrial Production, as measured by the Federal Reserve Board, rose sharply in April to the highest level since last October. Much of the April improvement was caused by gains, expected to continue, in steel and automobile production.

The present recession has been somewhat less severe in Connecticut than the two which preceded it. In 1953-54, our Index dropped 16.6 percentage points. In 1957-58, the drop was 17.6 points. The current de-

cline reduced the Index only 9.9 points.

The relative mildness of the present recession was due chiefly to the absence of sharp cutbacks in specific areas like those in defense production at the end of the Korean fighting in 1953 and in aircraft production in 1957.

The recent decline lasted as long as the 1953-54 and a little longer than the 1957-58 downtrends. Thus, the recovery is coming after a contraction phase of normal duration.

Because the drop in our Index was not severe, the recovery is not expected to be especially sharp. However, improvement is expected to continue through 1962 with the Index rising above trend by the beginning of that year.

### Building

Building contract awards in Connecticut went down sharply in the first quarter to 20% below the same period of last year. Non-residential awards, which had been at record levels for the last nine months, dropped substantially. Residential awards decreased seasonally from the relatively low levels of the second half of 1960.

The first quarter dip in awards appears to be a contradiction of the improving business picture. Work is still

being performed, however, on many of the contracts awarded during 1960.

For the U. S., housing starts in the first three months were about 5% below a year ago. However, they have shown considerable improvement from the December low. With mortgage money now more readily available at slightly lower interest rates, housing starts for the year 1961 as a whole are expected to be a little above 1960.

### Personal Income

In April, personal income continued the improvement which started in March, rising \$0.5 billion to an annual rate of \$410.3 billion. This set a new high. The April gain would have been greater except for the fact that March incomes were inflated by the advanced payment of veterans' life insurance dividends which are usually spread over the year. This was done to help counter the recession.

Manufacturing wages and salaries, which had fallen in every month from June 1960 to February of this year, rose \$1.3 billion. Construction payrolls also improved.

For the first quarter, total personal income averaged \$1 billion below the preceding period. Disposable personal income, the income available to individuals after paying taxes, also went down \$1 billion in the first quarter.

An increase in the rate of saving stemming from recession-caused consumer caution reduced consumption expenditures by \$1.8 billion, almost double the decrease in disposable income. The higher savings rate, while it did cut current buying, left consumers in a better position to step up their spending as the business outlook improves.

### Consumer Spending

Personal consumption expenditures take about 2/3 of the nation's total output of goods and services.

Fluctuations in total consumer spending are caused mainly by variations in durables expenditures. The services component shows growth during both good times and recessions. Spending for non-durables is also in an uptrend though a temporary leveling is apparent in mid-1960.

Automobile purchases are one of the major elements of durables spending. These are subject to relatively wide variations which are chiefly responsible for the fluctuations in durable goods expenditures.

The recent improvement in new car sales suggests that durable goods buying may soon start to increase. This would mean a resumption of the uptrend in total consumption expenditures.

# PRODUCTS AND SERVICES

THIS department, formerly listing only products made in Connecticut (from 1937 through 1959) is now available for listing not only products made in the state but also services available to industry through management, technical research or other service organizations located in Connecticut.

Listing rate, \$6.00 per listing for 12 monthly insertions. Listings are payable annually, in advance, or within 30 days after their first insertion.

- Abrasives**  
Fuller Merriam Company, The (Vitrified, Resinoid Bonded Grinding Wheels & Segments) West Haven
- Abrasive Adhesives**  
Scovill, Inc., D. & H. (for polishing metals, etc.) Higganum
- Absorbents**  
Nielsen & Sons, Inc., John R. (oil, water, and grease) South Windsor
- Accounting Forms**  
Baker-Goodyear Co., The Branford
- Adding Machines**  
Underwood Corporation Hartford
- Adhesives**  
Polymer Industries, Inc. Springdale  
Raybestos Division Raybestos-Manhattan, Inc. Bridgeport  
Synco Resins, Inc. Bethel
- Advertising**  
Eitel, Walter T. West Hartford
- Advertising Mats**  
Ads Inc., Div. CSW Plastic Types, Inc. (plates, services) Rocky Hill
- Advertising Agencies**  
Allston, Smith and Sample, Inc. Greenwich  
Brunelle Co., The Charles Hartford  
Chambers Wiswell & Moore, Inc. Stamford  
Jinford Advertising Agency Middletown  
Robotham Co., The Edward W. Westport & West Hartford  
Shenton Co., K. C. (industrial marketing) Hartford  
Watson-Manning Advertising (Industrial and technical) Stratford
- Advertising by Representation**  
Hartz-Miller Associates Meriden
- Aerosol Containers**  
Seri-Print, Inc. (silk screen decorating on metal, plastic & glass) Waterbury
- Air Chucks**  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain
- Air Compressors**  
Spencer Turbine Co., The Hartford
- Air Conditioning Contractors**  
Salunali Co., Inc., J. P. Milford
- Air Conditioning Products**  
Dunham-Bush, Inc. West Hartford
- Air Charter**  
Simsbury Flying Service Hartford
- Air Ducts**  
Wiremold Co., The (Retractable) Hartford
- Air Heaters—Direct Fired**  
Peabody Engineering Corp. Stamford
- Air Impellers**  
The Torrington Mfg. Co. Torrington
- Air Cylinders**  
Cushman Chuck Co. (rotating) Hartford
- Aircraft**  
Sikorsky Aircraft Division United Aircraft Corporation (helicopters) Bridgeport
- Aircraft Accessories**  
Aeronautical Machinists, Inc. (Servo Mechanisms, low pressure switches—diaphragm type) Bridgeport  
Chandler Evans Corp. (Piston and Jet Engine Accessories — Carburetors, Fuel Controls, Afterburner Regulators, Pumps, Servo-mechanisms and Protek-Plug Dehydrator Agents) West Hartford  
Consolidated Controls Corp. (pressure & temperature controls) Bethel  
Fenn Mfg. Co., The (Hardened and Ground Gear assemblies) Newington  
Gabb Special Products Inc. (filler caps—pressure fuel servicing systems) Windsor Locks  
Hamilton Standard Div., United Aircraft Corp. (propellers and other aircraft equipment) Windsor Locks
- Aircraft Engine Timing Tools**  
Gabb Special Products, Inc. Windsor Locks
- Aircraft Engine Details**  
Ameco Manufacturing, Inc. Town of East Windsor, Warehouse Point  
American Standard Products, Inc. Hartford  
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford  
National Automatic Products Co., The Berlin  
New Haven Trap Rock Co., The Machine Products Div. North Branford  
Tag Alloy Welding & Mfg. Co., Inc. Glastonbury weldments)
- Aircraft Engines**  
Lycoming Division Avco Mfg. Corp. Stratford  
Pratt & Whitney Aircraft Div., United Aircraft Corp. (aircraft) East Hartford
- Aircraft Fasteners**  
American Standard Products, Inc. Hartford  
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford  
National Automatic Products Co., The Berlin  
Scovill Manufacturing Co. (PANELOC Aircraft Fasteners) Waterbury
- Aircraft Instruments**  
Gorn Electric Company, Inc. Stamford  
Lewis Engineering Co., The Naugatuck
- Aircraft Nuts**  
McMellon Bros., Inc. Bridgeport
- Aircraft—Repair & Overhaul**  
Airport Department Pratt & Whitney Aircraft Div. Rentschler Field East Hartford
- Aircraft Sales**  
Simsbury Flying Service (Beechcraft) Hartford
- Aircraft Studs & Bolts**  
American Standard Products, Inc. Hartford  
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford  
National Automatic Products Co., The Berlin
- Aircraft Test Equipment**  
United Manufacturing Co., Division Maxson Electronics Corporation Hamden
- Aircraft Wire & Cable**  
Lewis Engineering Co., The Naugatuck
- Alumilite Aluminum Sheets**  
Leed Co., The H. A. Hamden
- Aluminum Awnings**  
Norlee Aluminum Prod. Corp. Bloomfield
- Aluminum—Bar, Rod, Sheet, Plate**  
Frasse & Co., Inc., Peter A. Hartford
- Aluminum Bronze Castings**  
Knapp Foundry Company, Inc. Guilford
- Aluminum Castings**  
Alloy Foundries Div., The Eastern Co. Naugatuck  
Newton-New Haven Co. West Haven
- Aluminum Die Castings**  
Mt. Vernon Die Casting Corporation Stamford  
Peasley Products, Inc. Stratford  
Peerless Aluminum Foundry Co., Inc., (permanent mold) Bridgeport  
Stewart Die Casting Div. Stewart-Wafner Corp. Bridgeport
- Aluminum Extrusions**  
Eastern Steel and Metal Company West Haven
- Aluminum Foil**  
Republic Foil, Inc. Danbury
- Aluminum Forgings**  
Consolidated Industries, Inc. West Cheshire  
Scovill Manufacturing Company Waterbury
- Aluminum Ingots**  
Batchelder Co., Inc., Charles Newtown  
Lapides Metals Corp. New Haven
- Aluminum Sand Castings**  
Bridgeport Deoxidized Bronze Corp. Bridgeport  
Peerless Aluminum Foundry Co., Inc. Bridgeport
- Aluminum—Sheet and Rod**  
Scovill Manufacturing Company Waterbury
- Aluminum—Sheets & Coils**  
United Smelting & Aluminum Co., Inc. New Haven
- Aluminum Tubing**  
Eastern Steel and Metal Company West Haven
- Aluminum Windows**  
Norlee Aluminum Prod. Corp. (combination and prime) Bloomfield
- Aluminum—Wire**  
Aluminum Wire Products Co., Inc. (Welding & Brazing) Glastonbury
- Ammunition**  
Remington Arms Co., Inc. Bridgeport
- Anodic Coating**  
Fenn Mfg. Co., The (Dow 17) Newington
- Anodizing**  
All-Brite Chemical Corp. Watertown  
Aluminum Finishing Co. Bridgeport  
Contract Plating Co., Inc. Stratford  
Leed Co., The H. A. Hamden  
Stamford Polishing & Plating Corp. Stamford
- Anodizing Equipment**  
Enthone, Inc. New Haven
- Arbors—Solid & Expanding**  
LeCount Tool Works, Inc. (sub. of The Grimes Engineering Corp.) Cheshire
- Asbestos**  
Auburn Manufacturing Company, The (gaskets, packaging, wicks) Middletown
- Asarcon Bronze**  
Derby Castings Company, The Seymour  
Knapp Foundry Company, Inc. (bushing & bearing stock) Guilford
- Assemblies**  
Gros-Itc Industries, Inc. Farmington
- Assemblies—Special**  
Custom Products Corp. Bridgeport
- Assemblies—Small**  
Ameco Manufacturing, Inc. Town of East Windsor, Warehouse Point  
American Standard Products, Inc. Hartford  
Barnes Co., The Wallace Div. Associated Spring Corp. Bristol  
Cheshire Mfg. Co., Inc. Cheshire  
Custom Products Corp. Bridgeport  
Greist Manufacturing Co., The New Haven  
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford  
Waterbury Pressed Metal Co. Waterbury
- Audio-Visual Equipment**  
HB Motion Picture Service (rental & service, projection and sound) New Haven  
Victor Animatograph Corp. a div. of Kalart (16mm sound and silent projectors; 35mm filmstrip and sound slide film projectors) Plainville
- Automatic Buffing & Polishing Machines**  
Harper Buffing Machine Company, The East Hampton
- Auto Cable Housing**  
Wiremold Company, The Hartford
- Automatic Control Instruments**  
Bristol Co., The (temperature, pressure, flow humidity, time) Waterbury
- Automatic Vending**  
Coin Cafe Div., Coca-Cola Bottling Co. of Hartford (food & beverages) East Hartford
- Automobiles—Children's**  
Powercar Company Mystic
- Automotive Bodies**  
Metropolitan Body Company Bridgeport
- Automotive Leasing**  
Motorlease Corporation, The West Hartford
- Automotive Parts**  
Bridgeport Thermostat Div. Robertshaw-Fulton Controls Co. (automobile thermostats) Milford  
Echlin Mfg. Co., The (Ignition & Brake) Branford  
Eis Automotive Corp. (Hydraulic Power and Mechanical) Middletown  
Raybestos Division of Raybestos-Manhattan, Inc., (Brake Lining, Lined Brake Shoes, Clutch Facings, Automatic Transmission Parts) Bridgeport  
Automatic Polishing and Buffing Equipment Packer Machine Company Meriden
- Automotive Tools**  
Eis Automotive Corp. (Brake Tools) Middletown

# CONNECTICUT PRODUCTS AND SERVICES

**Bakelite Moldings**  
Watertown Mfg. Co., The Watertown

**Balls**  
Abbott Ball Co., The (steel bearing and burnishing) Hartford  
Kilian Steel Ball Corp., The Hartford  
New Departure Div. of General Motors (steel and steel alloys) Bristol  
Pioneer Steel Ball Company, Inc. (steel for bearings, burnishing, graining; also brass, bronze and stainless) Unionville  
Superior Steel Ball Co., Inc., (steel bearings & burnishing material) New Britain

**Band Saw Machines**  
Thompson & Son Co., The Henry G. (automatic cut-off) New Haven

**Barrels**  
Abbott Ball Co., The (burnishing and tumbling) Hartford  
Enthone, Inc. (tumbling) New Haven  
Esbec Barrel Finishing Corp (burnishing & tumbling) Byram

**Baskets—Wire**  
Rolock, Inc. Fairfield

**Bead Chain**  
Bead Chain Mfg. Co., The Bridgeport

**Beaded Chain**  
Auto-Swage Products, Inc. Shelton

**Bearings**  
Barden Corporation, The (ball) Danbury  
Fafnir Bearing Co. (ball) New Britain  
Marlin-Rockwell Corporation Plainville  
New Departure Div. of General Motors (ball) Bristol  
Norma-Hoffman Bearings Corp. (ball and roller) Stamford  
Torrington Co., The Torrington

**Bearing Retainers**  
Wafe Manufacturing Co., Inc. (instrument & miniature) Bridgeport

**Bellows Assemblies**  
Bridgeport Thermostat Div. Robertshaw  
Fulton Controls Co. Milford

**Bellows—Metallic**  
Bridgeport Thermostat Div. Robertshaw  
Fulton Controls Co. Milford

**Bells**  
Bevin Brothers Mfg. Co. East Hampton  
Cly-Del Manufacturing Co. Waterbury  
N. N. Hill Brass Co., The East Hampton

**Belting**  
Hartford Belting Co. Hartford  
Russell Mfg. Co. (High Speed Endless, Laminated Rubber, Roll Stock all types) Middletown  
Walters Belting Industries, Inc. (flat high speed endless) Cromwell

**Bends—Pipe or Tube**  
National Pipe Bending Co., The New Haven

**Bicycle Sundries**  
Torrington Co., The Torrington

**Blackening Salts for Metals**  
Du-Lite Chemical Corp. Middletown  
Enthone, Inc. New Haven  
Mitchell-Bradford Chemical Co. Milford

**Black Oxide Finishing**  
Black Oxide, Inc. New Britain

**Black Oxide Treatment**  
Bennett Metal Treating Co., The Elmwood

**Blades**  
Capewell Manufacturing Company, Metal Saw Division (hack saw and band saw) Hartford

**Blast Cleaning Equipment**  
Pressure Blast Mfg. Co., Inc., (Wet and Dry and Abrasives) Manchester

**Blocks**  
Howard Company (cupola fire clay) New Haven

**Blower—Centrifugal Type**  
Spencer Turbine Co., The Hartford

**Blower Fans**  
Colonial Blower Company Plainville  
Spencer Turbine Co., The Hartford

**Blower Systems**  
Colonial Blower Company Plainville  
Ripley Co. Middletown

**Blower Wheels**  
Torrington Manufacturing Company, The Torrington

**Blueprints and Photostats**  
Joseph Merritt & Co. Hartford

**Blue Printing Machines**  
Rotolite of New England Glastonbury

**Boilers**  
Bigelow Co., The New Haven

**Bolts and Nuts**  
Clark Brothers Bolt Co. Milldale  
Hartford Machine Screw Co., Div. of Torrington Co., The Hartford  
Standard Screw Co. Torrington

**Boring Tools**  
Atrax Company, The (solid carbide) Newington

**Bottles**  
Feldman Glass Co., The New Haven

**Bottles—Cosmetic**  
Seri-Print, Inc. (cosmetic aerosol ceramic decorating) Waterbury

**Box Board**  
Bird & Son, Inc. New Britain  
Continental Can Co., Boxboard and Folding Carton Division Montville  
Federal Paper Board Co., Inc. Montville  
Lydall & Foulds Paper Co., The Manchester  
New Haven Board & Carton Co., The New Haven  
Robertson Paper Box Co. Montville

**Boxes**  
Bird & Son, Inc. (corrugated, solid fibre, cleated containers) New Britain  
Connecticut Container Corporation New Haven

Continental Can Co., Fibre Drum and Corrugated Box Division Portland  
Merriam Mfg. Co. (steel cash, bond, security, fitted tool and tackle boxes) Durham  
Warner Bros. Co., The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup) Bridgeport

**Boxes and Crates**  
City Lumber Co. of Bridgeport, Inc., The Bridgeport

**Boxes—Folding**  
Leshine Carton Co. Branford

**Boxes—Metal**  
Durham Mfg. Co. Durham  
Merriam Mfg. Co. (Bond and Security, Cash and Utility, Personal Files and Drawer Safes) Durham  
Scovill Manufacturing Company (aluminum, brass, bronze, copper-cosmetic, drug, hair pin, ointment, pill, powder, rouge, vanity) Waterbury

**Boxes—Paper—Folding**  
Atlantic Carton Corp. Norwich  
Bridgeport Paper Box Co. Bridgeport  
Carpenter-Hayes Paper Box Co., Inc. East Hampton

Continental Can Co., Boxboard and Folding Carton Division Montville  
Curtis & Sons, Inc., S. Sandy Hook  
Folding Cartons Incorporated (paper, folding) Versailles  
Mills, Inc., H. J. Bristol  
National Folding Box Co., Div. Federal Paper Board Co., Inc. (paper folding) New Haven and Versailles  
New Haven Board & Carton Co., The New Haven  
Robertson Paper Box Co. Montville  
Warner Bros. Co., The Bridgeport

**Boxes—Paper—Setup**  
Bridgeport Paper Box Co. Bridgeport  
Hemlinway Corporation, The Waterbury  
Mills, Inc., H. J. Bristol  
Strouse Adler Company, The New Haven  
Warner Bros. Co., The Bridgeport

**Brake Cables**  
Eis Automotive Corp. Middletown

**Brake Linings**  
Raybestos Division of Raybestos-Manhattan, Inc. (Automotive and Industrial) Bridgeport

Russell Mfg. Co. (all types, Fused Fabric, Durak, Wireback, Extruded) Middletown

**Brake Service Parts**  
Eis Automotive Corp. Middletown

**Brass & Bronze**  
Anaconda American Brass Company, The (sheet, wire, rods, tubes) Waterbury  
Pratt & Whitney Co., Inc. (carbide and HSS) West Hartford  
Bristol Brass Corp., The (sheet, wire, rods) Bristol  
Chase Brass & Copper Co. Waterbury  
Miller Company, The (phosphor bronze and brass in sheets, strips, rolls) Meriden

Scovill Manufacturing Company Waterbury  
Tinsheet Metals Co., The, (sheets and rolls) Waterbury

**Brass & Bronze Ingot Metal**  
Mitchell Smelting & Refining Co., Inc. Botsford  
Whipple and Choate Company, The Bridgeport

**Brass, Bronze, Aluminum Castings**  
Coggins Mfg. Co., The J. B. Meriden  
Derby Castings Company, The Seymour  
Victors Brass Foundry, Inc. Guilford

**Brass Goods**  
Anaconda American Brass Company, The Waterbury  
Rostrand Mfg. Co., The (Ecclesiastical Brass Wares) Milford  
Scovill Manufacturing Company (to order) Waterbury

**Brass Mill Products**  
Anaconda American Brass Company, The Waterbury  
Chase Brass & Copper Co. Waterbury  
Plume & Atwood Mfg. Co., The Thomaston  
Scovill Manufacturing Company Waterbury  
Seymour Manufacturing Co., The Seymour

**Brazing & Soldering**  
Mildrum Jewel Company, The (Contract) East Berlin

**Brick-Building**  
Donnelly Brick Co., The New Britain  
Stiles Corp., subsidiary of Plastcrete Corp. North Haven

**Bricks—Fire**  
Howard Company New Haven  
Mullite Works Refractories, Dir. H. K. Porter Co., Inc. Shelton

**Bright Wire Goods**  
Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and Eyes, C. H. Hooks) New Haven

**Bronze & Aluminum Castings**  
Knapp Foundry Company, Inc. (rough or machined) Guilford

**Bronze Sand Castings**  
Bridgeport Deoxidized Bronze Corp. Bridgeport

**Brooms—Brushes**  
Fuller Brush Co., The East Hartford

**Buckles**  
Hawie Mfg. Co., The Bridgeport  
Hollander Metal Products Corp. Bridgeport  
North & Judd Manufacturing Co. New Britain  
Patent Button Co., The Waterbury

**Buffing & Polishing Compositions**  
Hubbard Hall Chemical Company, The Waterbury  
Lea Mfg. Co. Waterbury

**Burglar Alarm Systems**  
Mosler Research Products, Inc. Danbury

**Burners**  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston

**Burners—Automatic**  
Peabody Engineering Corp. Stamford

**Burners—Coal and Oil**  
Peabody Engineering Corporation (Combined) Stamford

**Burners—Gas and Oil**  
Peabody Engineering Corporation (Combined) Stamford

**Burners—Refinery**  
Peabody Engineering Corporation (For Gas and Oil) Stamford

**Burnishing**  
Abbott Ball Co., The (Burnishing Barrels and Burnishing Media) Hartford  
Pioneer Steel Ball Company, Inc (balls, cones, other metallic shapes) Unionville

**Bars**  
Atrax Company, The (carbide) Newington  
Pratt & Whitney Co., Inc. (carbide and HSS) West Hartford

**Business Forms**  
Connecticut Manifold Forms Co., The West Hartford  
Uarco, Inc. (Printers) Deep River



# CONNECTICUT PRODUCTS AND SERVICES

**Buttons**  
Frank Parizek Manufacturing Co., The Putnam Schwanda & Sons, B. (ocean pearl and plastic) Staffordville  
Scovill Manufacturing Company (Uniform and Tack Fasteners) Waterbury  
Waterbury Companies, Inc. (Uniform and Fancy Dress) Waterbury

**Cabinet Work**  
Hartford Builders Finish Co. Hartford

**Cabinets**  
U. S. Laminates Div. Barridon Corp. (Kitchen Cabinets, Counters, Vanities) Hartford

**Cable—Asbestos Insulated**  
Rockbestos Wire & Cable Co., Div. of Cerro Corp. New Haven

**Cable-Interlocked Armor**  
General Electric Company Bridgeport

**Cable—Nonmetallic Sheathed**  
General Electric Company Bridgeport

**Cages**  
Hendryx Co., The Andrew B. (bird and animal) New Haven

**Cams**  
Amco Manufacturing, Inc. Town of East Windsor, Warehouse Point  
American Cam Company, Inc. Bloomfield  
Bristol Instrument Gears, Inc. Forestville  
Hartford Special Machinery Co., The Hartford

**Cams, 2 Dimensional**  
Amco Manufacturing, Inc. Town of East Windsor, Warehouse Point  
Mallory Industries, Inc. West Hartford  
Parker-Hartford Corporation Hartford

**Cams, 3 Dimensional**  
Amco Manufacturing, Inc. Town of East Windsor, Warehouse Point  
Mallory Industries, Inc. West Hartford  
Parker-Hartford Corporation Hartford

**Capacitors**  
Electro Motive Mfg. Co., Inc. (mica & trimmer) Willimantic

**Carbide Dies**  
National Die Co., Inc., The Wolcott

**Carbide Form Tools**  
Somma Tool Co. (for automatic screw machines) Waterbury

**Carbide Shape Dies**  
Thomaston Tool & Die Co. (any form) Thomaston

**Carbide Tools**  
Atrax Company, The (solid) Newington  
Precision Tool & Die Co. Waterbury

**Carbon Pile Type Resistors**  
Engineered Metals Manchester

**Card Clothing**  
Standard Card Clothing Co., The (for textile mills) Stafford Springs

**Card Indexes**  
Wassell Organization, Inc. Westport

**Carpenter's Tools**  
Sargent & Company (Planes, Squares, Plumb Bobs, Bench Screws, Clamps and Saw Vises) New Haven

**Carpets and Rugs**  
Bigelow-Sanford Carpet Co. Thompsonville

**Carton Closure Equipment**  
Better Packages, Inc. ("Tape-O-Matic," "Better Pack") Shelton

**Casket Trimmings**  
Bridgeport Casket Hardware Co., The Bridgeport

**Casters**  
Bassick Company, The (Industrial and General) Bridgeport

**Castings**  
Commercial Foundry Co., The (brass, bronze, aluminum) New Britain  
Connecticut Foundry Co. (grey iron) Rocky Hill  
Connecticut Malleable Castings Co. (malleable iron castings) New Haven  
Custom Products Corp. (machined only) Bridgeport  
Ductile Iron Foundry, Inc. Stratford  
Alloy Foundries Div., The Eastern Co. Naugatuck

Farrel-Birmingham Company, Inc. (Meehanite Nodular Iron, Steel) Ansonia  
H. R. Engineering Laboratories, Inc. (centrifugal steel mold) East Haddam  
Malleable Iron Fittings Co., malleable iron and steel Branford  
New England Alloy Casting Corp. Hartford  
Newton-New Haven Co. (zinc and aluminum) West Haven

Nutmeg Crucible Steel Co. (steel) Branford  
Plainville Casting Company (gray, alloy and high tensile irons) Plainville  
Philbrick-Booth & Spencer, Inc. Hartford  
Producto Machine Company, The Bridgeport  
Scovill Manufacturing Company (Brass, Bronze and Aluminum) Waterbury  
Turner & Seymour Mfg. Co., The (gray iron, semi steel and alloy) Torrington  
Union Mfg. Co. (grey iron & semi steel) New Britain  
Waterbury Foundry Company, The (highway & sash weights) Waterbury  
Wilcox Crittenden & Co., Inc., (gray iron and brass) Middletown (Advt.)

**Castings—Investment**  
Arwood Precision Casting Corp. Groton  
Connecticut Investment Casting Corp. Pawcatuck

**Catalog Production**  
Watson-Manning Advertising Stratford

**Cements—Refractory**  
Mullite Works Refractories, Div. H. K. Porter Co., Inc. Shelton

**Centerless Grinding**  
Brown Manufacturing Co. Plainville  
New England Centerless Grinding, Inc. West Hartford  
Winsted Centerless Co. Winsted

**Centers**  
Ready Tool Co., The (anti friction, carbide tipped, high speed) Stratford

**Cermets**  
Russell Mfg. Co. (for missiles, and for friction materials) Middletown

**Chain**  
Turner and Seymour Mfg. Co., The (weldless sash, jack, safety, furnace, universal, lion and cable) Torrington

**Chain-Beaded**  
Auto-Swage Products, Inc. Shelton

**Chain—Power Transmission and Conveying**  
Whitney Chain Co., The, Subsidiary of Foote Bros. Gear and Machine Corp. Hartford

**Chairs**  
The Hitchcock Chair Company Riverton

**Chemical Manufacturing**  
Carwin Company, The North Haven

**Chemicals**  
Hubbard Hall Chemical Company, The Waterbury  
Axtion-Cross Co. Shelton  
Carwin Company, The North Haven  
Enthone, Inc. New Haven  
Fuller Brush Co., The (for cleaning and maintenance—cleaners, deodorants, detergents, disinfectants, dust absorbers and polishers) East Hartford  
Macalaster Bicknell Company New Haven  
Naugatuck Chemical Division United States Rubber Co. Naugatuck  
New England Lime Company Canaan  
Pfizer & Co., Inc., Chas. Groton  
United States Chemical Corp. New Haven

**Chemicals—Agriculture**  
Naugatuck Chemical Division United States Rubber Co. (insecticides, fungicides, weed killers) Naugatuck

**Chemists—Analytical and Consulting**  
Bridgeport Testing Laboratory, Inc. Bridgeport

**Christmas Light Clips**  
Foursome Manufacturing Co. Bristol

**Chromium Plating**  
Chromium Corp. of America Waterbury  
Chromium Process Company, The Shelton

**Chuck Jaws**  
Royal Machine & Tool Corp. Berlin

**Chucks**  
Cushman Chuck Co., The Hartford  
Jacobs Manufacturing Co., The (drill chucks, lathe collet chucks and arbors) West Hartford  
Skinner Precision Industries, Inc., New Britain  
Skinner-Horton Chuck Div. New Britain  
Union Manufacturing Company New Britain

**Chucks—Air**  
Cushman Chuck Co., The Hartford  
Power Grip, Inc. Rockfall  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain

**Chucks—Drill**  
Jacobs Manufacturing Co., The West Hartford

**Chucks—Jaws**  
Apex Machine Tool Co. Elmwood

**Chuck & Face Plate Jaws**  
Cushman Chuck Co., The Hartford  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain  
Union Manufacturing Company New Britain

**Chucks—Lathe**  
Cushman Chuck Co. (power and hand operated) Hartford  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain

**Chucks—Power Operated**  
Cushman Chuck Co., The Hartford  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain  
Union Manufacturing Company New Britain

**Clay**  
Howard Company (Fire Howard "B" and High Temperature Dry) New Haven

**Cleaning Compounds**  
Enthone, Inc. (Industrial) New Haven

**Clock Mechanisms**  
Lux Clock Mfg. Co., The Waterbury

**Clocks**  
E. Ingraham Co., The Bristol  
United States Time Corporation, The Waterbury

**Clocks—Alarm**  
Lux Clock Mfg. Co., The Waterbury

**Clocks—Automatic Cooking**  
Lux Clock Mfg. Co., The Waterbury

**Clutches**  
Snow-Nabstedt Gear Corp., The New Haven

**Clutch Facings**  
Raybeston Division of Raybestos-Manhattan, Inc. (Molded, Woven, Semi-metallic and Full-metallic) Bridgeport  
Russell Mfg. Co. (rubber Shock Cord — all sizes and types) Middletown

**Coils—Electric**  
Bittermann Electric Company Canaan  
Rowley Spring Co., Inc., The (Air-wound for television and electronic industries) Bristol

**Coils—Pipe or Tube**  
National Pipe Bending Co., The New Haven  
Whitlock Manufacturing Co., The Hartford

**Coil Winding**  
Advanced Electronics, Inc. (custom) Rocky Hill

**Coil Winders—Toroidal**  
Boesch Manufacturing Div. Waltham Precision Instrument Co., Inc. Danbury

**Cold Molded Electrical Insulation**  
Meriden Molded Plastics Meriden

**Communication Systems**  
Tel-Rad, Inc. Hartford

**Compacts**  
Scovill Manufacturing Company (powder and rouge) Waterbury

**Comparators**  
Johnson Gage Company Bloomfield

**Compressors**  
Brunner Division of Dunham-Bush, Inc. (Refrigeration, Air Conditioning and Air Compressors) West Hartford  
Norwalk Company, Inc. (high pressure air and gas) South Norwalk

**Computers**  
Reflection Electronics, Inc. Stamford  
Royal McBee Corp. Hartford

**Concrete Products**  
Plasticrete Corp. Hamden, Hartford  
North Haven, Waterbury, Willimantic

# CONNECTICUT PRODUCTS AND SERVICES

**Condenser and Heat Exchanger Tubes**  
Scovill Manufacturing Company Waterbury

**Cones**  
Sonoco Products Co., (paper) Mystic

**Connector**  
Gorn Electric Co., Inc. (precision miniature electrical and printed circuit) Stamford  
**Construction Equipment Trailers**  
Kensington Welding & Trailer Co., The Kensington

**Consultants**  
Robotham Co., The Edward W. (advertising & marketing) Westport & West Hartford

**Consulting Engineers**  
Souther Engineering Co., Henry Hartford  
Stanley P. Rockwell Co., Inc., The (Consulting) Hartford  
Welch, William A. Danbury

**Continuous Mill Gages**  
Pratt & Whitney Co., Inc. West Hartford

**Contract Machining**  
Ameco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Laurel Mfg. Co., Inc. (Precision Production Small Parts) Plainville  
Malleable Iron Fittings Company Branford  
McMellon Bros., Inc. (precision threaded parts) Bridgeport

**Contract Manufacturers**  
Advanced Electronics, Inc. Rocky Hill  
Ameco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
American Standard Products, Inc. Hartford  
Custom Products Corp. Bridgeport  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston  
Fenn Mfg. Co., The (Precision Machine Works) Newington  
Greist Mfg. Co., The (Metal parts and assemblies) New Haven  
Hartford Machine Screw Co., Div. of Hartford  
Lombardi Engineering Co., Derby  
Merriam Mfg. Co. (production runs—metal boxes and containers to specifications) Durham  
Scovill Manufacturing Company (metal parts and assemblies) Waterbury  
Sperry Products Co., Div. Howe Sound Co. Danbury  
Torrington Co., The Torrington  
Voss Co., The Branford

**Control Centers**  
Tech Design Co., Inc., (designers & fabricators of control centers) Ansonia

**Controllers**  
Bristol Company, The Waterbury

**Controls—Remote**  
Panish Controls (Remote Controls for Marine & Aeronautic Applications) Bridgeport

**Controls—Remote Hydraulic**  
Sperry Products Co., Div. Howe Sound Co. Danbury

**Converters DC to AC**  
Electric Specialty Co. Stamford  
Safety Electrical Equipment Corp. New Haven

**Conveyor Systems**  
Leeds Conveyor Mfg. Co. The East Haven  
Production Equipment Co. Meriden

**Copper**  
Anaconda American Brass Company, The (sheet, wire, rods, tubes) Waterbury  
Bristol Brass Corp., The (steel) Bristol  
Chase Brass & Copper Co. (sheet, rod, wire, tube) Waterbury  
Tinsheet Metals Co., The (sheet and rolls) Waterbury

**Copper Castings**  
Knapp Foundry Company, Inc. Guilford

**Copper Sand Castings**  
Bridgeport Deoxidized Bronze Corp. Bridgeport

**Copper Sheets**  
Anaconda American Brass Company, The Waterbury  
New Haven Copper Co., The Seymour

**Copper Shingles**  
New Haven Copper Co., The Seymour

**Copper Water Tube**  
Anaconda American Brass Company, The Waterbury

**Copying Machines**  
Thermo-Fax Sales of Conn., Inc. New Haven

**Cord**  
Russell Mfg. Co., The (marine & aero shock) Middletown

**Cord Sets—Electric**  
General Electric Company Bridgeport  
Seeger-Williams, Inc. Bridgeport

**Cores—Fibre**  
Sonoco Products Co. Mystic

**Corn Cob Meal**  
Nielson & Sons, Inc., John R. (Graded) South Windsor  
**Correspondence Files**  
Wassell Organization, Inc. Westport

**Corrugated Box Manufacturers**  
Connecticut Container Corporation New Haven  
Corrugated Containers, Inc. Hartford

**Corrugated Shipping Cases**  
Connecticut Container Corporation New Haven  
Continental Can Co. Fibre Drum and Corrugated Box Division Portland  
D. L. & D. Container Corp. New Haven  
New Haven Board & Carton Co. New Haven

**Cosmetic Containers**  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston  
Eyelet Specialty Div. International Silver Co. Wallingford  
Lakewood Metal Products, Inc. Waterbury  
Scovill Manufacturing Co. Waterbury  
Seri-Print, Inc. (silk screen decorated) Waterbury

**Cosmetics**  
Chesebrough-Pond's, Inc. Clinton  
Fuller Brush Co., The East Hartford

**Counting Devices**  
Veeder-Root, Inc. Hartford

**Couplings**  
Scovill Manufacturing Company (garden and industrial hose) Waterbury

**Cushioning for Packaging**  
Gilman Brothers Co., The Gilman

**Cutters**  
Atrax Company, The (solid carbide) Newington  
Hanson-Whitney Co., The (thread milling) Hartford  
Mitrametric Co., The (ground pinion) Torrington  
Pratt & Whitney Co., Inc., (Milling Cutters all types carbide and HSS) West Hartford

**Cutting & Creasing Rule**  
Bartholomew Co., H. J. Bristol

**Data Processing Equipment**  
Royal McBee Corp. Hartford

**Decalcomanias**  
Sirocco Screenprints New Haven

**Deep Drawings**  
Scovill Manufacturing Company Waterbury

**Deep Hole Drilling & Reaming**  
Hamden Deep Hole Drilling Co. Hamden  
Products Design & Mfg. Corp. Newington

**Dehydrators**  
Kahn and Company, Inc. (compressed air and gases) Wethersfield

**Delayed Action Mechanism**  
M. H. Rhodes, Inc. Hartford  
R. W. Cramer Company, Inc., The Centerbrook

**Design**  
Maurice Libson Designer (product styling & appearance design) New Haven

**Diamond Products**  
Amplex Corporation, The (Industrial) Bloomfield

**Diamonds—Industrial**  
Parsons Diamond Products, Inc. West Hartford  
Russell, Inc., R. R. Newington

**Diamond Tools**  
Parsons Diamond Products, Inc. West Hartford  
Russell, Inc., R. R. Newington

**Dictating Machines**  
Dictaphone Corporation Bridgeport  
SoundScriber Corporation, The New Haven

**Die Castings**  
Mt. Vernon Die Casting Co. Stamford  
Peasley Products, Inc. (aluminum and zinc) Stratford  
Newton-New Haven Co., Inc. New Haven  
Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport

**Die Casting Dies**  
Eastern Machine Screw Corp., The New Haven  
Weimann Bros. Mfg. Co., The New Derby

**Die Heads—Self Opening**  
Eastern Machine Screw Corp., The New Haven  
Geometric Tool Co., Div. United-Greenfield Corp. New Haven

**Die Sets**  
Producto Machine Company, The Bridgeport  
Superior Steel Products Corp. (steel) Cheshire  
Union Mfg. Co. (precision, steel and semi-steel) New Britain

**Dies**  
Hoggson & Pettis Mfg. Co., The New Haven  
Mitrametric Co., The (ground for gears) Torrington  
Pratt & Whitney Co., Inc. (thread cutting and thread rolling) West Hartford

**Dies & Die Cutting**  
Douglas Co., Geo. M. New Haven

**Dielectric Heaters**  
Radio Frequency Co., Inc. New Britain

**Displays**  
Sansone Co., S. Frederick (design & production) Short Beach

**Display Containers**  
National Folding Box Co. Div. Federal Paper Board Co., Inc. (folding paperboard) New Haven and Versailles

**Displays—Design & Production**  
Ad-Craft Displays, Inc. Bloomfield  
Stifel & Kufta New Britain

**Display Equipment**  
Polecats, Inc. Old Saybrook

**Displays—Metal**  
Durham Mfg. Co., The (Designing & Mfg. to customers' specifications) Durham  
Merriam Mfg. Co. (Contract Work to Individual Specifications) Durham  
Parsons Co., Inc., W. A. (custom designed) Durham

**Displays—Plastic**  
Dura Plastics of New York, Inc. Westport  
**Displays—Wire**  
J. C. Products, Inc. Higganum

**Door Closers**  
Sargent & Company New Haven

**Doors**  
Bileco Co., The (metal, residential and commercial) West Haven

**Dowel Pins**  
Allen Manufacturing Co., The Bloomfield  
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford  
Torrington Co., The Torrington

**Drafting Accessories**  
Joseph Merritt & Co. Hartford

**Drill Presses**  
Sigourney Tool Co. (sensitive drilling machines) Bloomfield  
Townsend Mfg. Co., The H. P. Elmwood

**Drilling Machines**  
Pratt & Whitney Co., Inc. (Deep Hole) West Hartford

**Drilling Service—Hard Steel**  
Walton Co., The West Hartford

**Drilling and Tapping Units**  
Hartford Special Machinery Co. Hartford

**Drop Forgings**  
Billings & Spencer Co., The Hartford  
Consolidated Industries West Cheshire  
Wilcox Crittenden & Co., Inc. Middletown

# CONNECTICUT PRODUCTS AND SERVICES

<b>Duplicating Machines</b>	
Thermo-Fax Sales of Conn., Inc.	New Haven
<b>Duplicating Machines—Automatic</b>	
Pratt & Whitney Co., Inc.	West Hartford
<b>Dust Collectors</b>	
Colonial Blower Co.	Plainville
<b>Elastic</b>	
Russell Mfg. Co. (rubber shock cord — all sizes and types)	Middletown
<b>Electric Cables</b>	
General Electric Company (for residential, commercial and industrial applications)	Bridgeport
Rockbestos Wire & Cable Co. Div. of Cerro Corp. (asbestos insulated)	New Haven
<b>Electric Cord Springs</b>	
Bristol Spring Manufacturing Co.	Plainville
<b>Electric Cords</b>	
General Electric Company	Bridgeport
Rockbestos Wire & Cable Co. Div. of Cerro Corp. (asbestos insulated)	New Haven
<b>Electric Enclosed Switches</b>	
Arrow-Hart & Hegeman Electric Co., The	Hartford
<b>Electric Eye Control</b>	
Ripley Company, Inc.	Middletown
<b>Electric Fixture Wire</b>	
Rockbestos Wire & Cable Co. Div. of Cerro Corp. (asbestos insulated)	New Haven
<b>Electric Hand Irons</b>	
Winsted Hardware Mfg. Co. (trade mark "Durabilt")	Winsted
<b>Electric Insulation</b>	
Stevens Paper Mills, Inc., The	Windsor
<b>Electric Lighting Fixtures</b>	
Wasley Products, Inc.	Plainville
<b>Electric Motor Controls</b>	
Arrow-Hart & Hegeman Electric Co., The	Hartford
<b>Electric Motor Repair</b>	
B & J Electric Co.	Ansonia
<b>Electric Motors</b>	
Electric Specialty Co.	Stamford
Harvey Hubbell Incorporated	Bridgeport
Iona Manufacturing Company, The	Manchester
Safety Electrical Equipment Corp.	New Haven
U. S. Electrical Motors, Inc.	Milford
<b>Electric Switches</b>	
Harvey Hubbell, Incorporated	Bridgeport
<b>Electric Time Controls</b>	
Cramer Controls Corporation, The	Centerbrook
<b>Electric Wire</b>	
Rockbestos Wire & Cable Co. Div. of Cerro Corp. (asbestos insulated)	New Haven
<b>Electric Wiring Devices</b>	
Arrow-Hart & Hegeman Electric Co., The	Hartford
Harvey Hubbell, Incorporated	Bridgeport
<b>Electrical Appliances</b>	
Iona Manufacturing Company, The	Manchester
<b>Electrical Components</b>	
Connecticut Electric Mfg. Co., The (knife switches, fuse blocks, contact clips)	Bantam
<b>Electrical Conduit Fittings &amp; Grounding</b>	
Specialties	
Gillette-Vibber Company, The	New London
<b>Electrical Connectors</b>	
Burdny Corporation	Norwalk
<b>Electric Control Apparatus</b>	
Plainville Electrical Products Co., The	Plainville
<b>Electrical Insulation</b>	
Case Brothers, Inc.	Manchester
<b>Electrical Recorders</b>	
Bristol Co., The	Waterbury
<b>Electrical Relays and Controls</b>	
Allied Control Co.	Plantsville
<b>Electrical Switchboards</b>	
Plainville Electrical Products Co., The	Plainville
Pneumatic Applications Co.	Simsbury
<b>Electrical Wiring Systems</b>	
Wiremold Co., The	Hartford
<b>Electro Mechanical Prototypes</b>	
Victor Tool & Mfg., Inc.	Higganum
<b>Electronic Assemblies</b>	
Advanced Electronics, Inc. (custom)	Rocky Hill
Seovill Manufacturing Company	Waterbury
<b>Electronic Circuits</b>	
Seri-Print, Inc. (silk screen plates & supplies)	Waterbury
<b>Electronic Parts</b>	
Patent Button Company, The	Waterbury
Prentice Mfg. Co., The G. E. (stampings to customers' specifications)	Kensington
Terryville Manufacturing Co. (Stampings to customer specifications)	Terryville
<b>Electronics</b>	
Andersen Laboratories, Inc.	West Hartford
Beau Electronics	Waterbury
Ripley Co.	Middletown
Sturup Larabee & Warmers, Inc.	Middletown
Vinco Electronics Corporation	New Haven
<b>Electro-Mechanical Assemblies</b>	
Advanced Electronics, Inc. (custom)	Rocky Hill
<b>Electroplating</b>	
Coggins Mfg. Co., The J. B.	Meriden
Glering Metal Finishing, Inc.	Hamden
National Sherardizing & Machine Co.	Hartford
Waterbury Plating Company	Waterbury
<b>Electroplating—Equipment &amp; Supplies</b>	
Enthone, Inc.	New Haven
Hubbard Hall Chemical Company, The	Waterbury
Lea Manufacturing Co., The	Waterbury
MacDermid, Incorporated	Waterbury
<b>Electrotypes</b>	
Barnum-Hayward Electrotpe Co., Inc.	New Haven
New Haven Electrotpe Div. Electrographic Corp.	New Haven
<b>Elevators</b>	
Eastern Elevator Co. (passenger and freight)	New Haven
General Elevator Service Co.	Hartford
<b>Employment Agencies</b>	
Administrative-Technical Personnel Service	Hartford
Advancement Opportunities	Hartford
Burnham Employment Agency (executive, technical, secretarial)	Hartford
Rita, Richard P. Personnel Services, Inc.	New Haven, Bridgeport & Hartford
Snelling & Snelling	Hartford
<b>Enameling</b>	
Glering Metal Finishing, Inc.	Hamden
Waterbury Plating Company	Waterbury
<b>Enamels &amp; Lacquers</b>	
Dobbs Chemical Co., The (industrial finishes to customers' specifications)	New Haven
<b>Engineering</b>	
Marchant & Minges (building construction)	West Hartford
Research & Development Designers, Inc.	Middletown
Technical Design and Development Co., Inc. (design and drafting)	Milford
<b>Engineering Service</b>	
Lacey Manufacturing Co., The	Bridgeport
<b>End Mills</b>	
Atrax Company, The (solid carbide)	Newington
<b>Engraving—Plastic and Nonferrous Metals</b>	
New England Engraving Company Div. of Dura Plastics of New York, Inc.	Westport
Pratt & Whitney Co., Inc. (carbide and HSS)	West Hartford
Salisbury Products, Inc.	Lakeville
<b>Envelopes</b>	
Curtis 1000, Inc.	Hartford
Mideastern Envelope & Paper Co., Inc.	Danbury
United States Envelope Company	Hartford
Hartford Division	
<b>Environmental Test Equipment</b>	
American Research Corp.	Farmington
<b>Excelsior</b>	
Nielsen & Sons, Inc., John R.	South Windsor
<b>Executive Recruiting</b>	
Advancement Opportunities	Hartford
<b>Experimental Machining</b>	
Madison Standard Corp., The	East Hartford
<b>Explosives</b>	
Ensign-Bickford Co., The (safety fuse, detonating fuse, blasting accessories)	Simsbury
<b>Extensions—Tap</b>	
Walton Co., The	West Hartford
<b>Extractors</b>	
Walton Co., The (tap, pipe & stud)	West Hartford
<b>Extraction Service</b>	
Walton Co., The (taps, drills, studs)	West Hartford
<b>Extruders and Accessories</b>	
Davis Electric Company (Ram Type Teflon Extruder)	Wallingford
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Mystic
<b>Extrusions—Plastic</b>	
Jessall Plastics Div. The Electric Storage Battery Co.	Kensington
<b>Eyelets</b>	
Anaconda American Brass Company, The	Waterbury
Arro Eyelet & Tool Co. (small-printed circuit, brass & copper)	Waterbury
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Gem Machine & Tool Co.	Waterbury
Mark Eyelet & Stamping Co. (small-metal stampings)	Wolcott
Platt Bros. & Co., The	Waterbury
Stevens Co., Inc.	Waterbury
Salem Mfg. Co.	Prospect
<b>Eyelets, Ferrules and Wiring Terminals</b>	
Anaconda American Brass Company, The	Waterbury
<b>Eyelet Machine Products</b>	
Anaconda American Brass Company, The	Waterbury
Ball & Socket Mfg. Co., The	West Cheshire
Cold Forming Mfg. Co., The	Waterbury
Cly-Del Manufacturing Co.	Waterbury
Lakewood Metal Products, Inc.	Waterbury
Dorset-Rex Inc., Subsidiary of Landers, Frary & Clark	Thomaston
National Die Co., Inc., The	Wolcott
Platt Bros. & Co., The	Waterbury
Seovill Manufacturing Company	Waterbury
Stevens Co., Inc.	Waterbury
Waterbury Pressed Metal Co.	Waterbury
<b>Eyelet Parts</b>	
Auto-Swage Products, Inc.	Shelton
<b>Fabricators</b>	
Seovill Manufacturing Company (aluminum, brass, bronze, copper, steel)	Waterbury
<b>Fabrics</b>	
Russell Mfg. Co. (Teflon, Moulded Fabric, Bearing Surfaces, High Temperature Fabrics)	Middletown
<b>Fan Blades</b>	
Torrington Manufacturing Company, The	Torrington
<b>Fans—Electric</b>	
General Electric Company	Bridgeport
<b>Fasteners—Aircraft</b>	
Seovill Manufacturing Company (PANELOC Aircraft Fasteners)	Waterbury
<b>Fasteners—Industrial</b>	
Seovill Manufacturing Company	Waterbury
Torrington Co., The	Torrington
<b>Fasteners—Laundry Proof</b>	
Seovill Manufacturing Company (GRIPPER snap fasteners)	Waterbury
<b>Fasteners—Slide &amp; Snap</b>	
Seovill Manufacturing Company (GRIPPER zippers and GRIPPER snap fasteners)	Waterbury
<b>Felt</b>	
Auburn Manufacturing Company, The (mechanical, cut parts)	Middletown
Drycor Felt Company (paper makers and industrial)	Staffordville
<b>Felt—All Purpose</b>	
American Felt Co. (Mill & Cutting Plant)	Glenville
Chas. W. House & Sons, Inc. (Mills & Cutting Plant)	Unionville

# CONNECTICUT PRODUCTS AND SERVICES

**Ferrules**  
Cly-Del Manufacturing Co. Waterbury

**Fiber-glass Fabrication**  
Davis Co., The E. J. West Haven

**Fibre Board**  
Bird & Son, Inc. New Britain  
Case Brothers, Inc. Manchester  
Colonial Board Company Manchester  
C. H. Norton Co., The North Westchester  
Stevens Paper Mills, Inc., The Windsor

**Fiberglass Products**  
Fiberglass Products Eng. Co. South Norwalk

**File Cards**  
Standard Card Clothing Co., The Stafford Springs

**Filing Equipment**  
Wassell Organization, Inc. Westport

**Film Processing Machinery**  
Filmline Corporation Milford

**Filters—Fluid**  
Aslop Engineering Co. Milldale  
Cuno Engineering Corp., The Meriden

**Filter Media**  
National Filter Media Corp. (cloth & paper) New Haven

**Financing**  
Small Business Investment Co. of Connecticut Bridgeport

**Finger Nail Clippers**  
H. C. Cook Co., The Ansonia

**Firearms**  
Colt's Patent Fire Arms Mfg. Co., Inc. Hartford  
Junior Screw Machine Products, Inc. West Haven  
Marlin Firearms Co., The New Haven  
O. F. Mossberg & Sons, Inc. New Haven

**Fire Alarm Systems**  
Fire-Lite Alarms, Inc. New Haven

**Fire Hose**  
Fabrics Fire Hose (municipal and industrial) Sandy Hook

**Fireplace Goods**  
Puritan Fireplace Furnishing Co. Milford

**Fireworks**  
M. Backes' Sons, Inc. Wallingford

**Fixtures**  
Gros-Itc Industries, Inc. Farmington

**Flame Hardening**  
Flame Treating & Engineering Co., The West Hartford

**Flashlights**  
Bridgeport Metal Goods Mfg. Co. Bridgeport

**Flat Springs**  
Bristol Spring Manufacturing Co. Plainville  
Gemco Manufacturing Co., Inc. Southington

**Flatware—Stainless Steel**  
Majestic Silver Co., The New Haven

**Flexible Shaft Machines**  
Pratt & Whitney Co., Inc. West Hartford

**Floats**  
Naugatuck Mfg. Co. (seamless copper & plastic) Waterbury  
Safety Float Corporation (skin diving flag buoys; floats for swimming pools & swimming areas) Waterbury

**Float Switches**  
Gorn Electric Co., Inc. (for aircraft and commercial use) Stamford

**Floor & Ceiling Plates**  
Beaton & Cadwell Mfg. Co., The New Britain

**Fluorescent Lighting Equipment**  
Wiremold Company, The Hartford

**Foam Rubber**  
Armstrong Rubber Company, The West Haven

**Forgings**  
Billings & Spencer Company Hartford  
Bridgeport Hardware Mfg. Corp., The Bridgeport  
Capewell Manufacturing Company Hartford  
Chase Brass & Copper Co. Waterbury  
Consolidated Industries, Inc. West Cheshire  
Heppenstall Co. (all kinds and shapes) Bridgeport  
Ideal Forging Corp. Southington  
Scovill Manufacturing Company (Non-ferrous) Waterbury

**Forming Tools**  
C. & S. Tool Co., Inc. Berlin

**Forms**  
Baker Goodyear Co. (Columnar and Analysis) Branford

**Foundation Garments**  
Crown Corset Co., The Bridgeport

**Foundries**  
Connecticut Foundry Co. Rocky Hill  
Connecticut Malleable Castings Co. (malleable iron castings) New Haven  
Derby Castings Company, The Seymour  
Ductile Iron Foundry, Inc. Stratford  
Malleable Iron Fittings Co. (Malleable Iron and Steel Castings) Branford  
New England Alloy Casting Corp. Hartford  
Plainville Casting Company (gray, alloy and high tensile irons) Plainville  
Producto Machine Company, The Bridgeport  
Scovill Manufacturing Company Waterbury  
Turner & Seymour Mfg. Co., The (gray, iron, semi steel and alloy) Torrington  
Union Mfg. Co. (gray iron & semi steel) New Britain  
Wilcox Crittenden & Co., Inc. (iron, brass, aluminum and bronze) Middletown

**Fountain Pens and Mechanical Pencils**  
Waterman Pen Company, Inc. Seymour

**Foundry Riddles**  
John P. Smith Co., The New Haven

**Four Slide Forms**  
Peck Spring Co. Plainville

**Fuel Oil Pump and Heater Sets**  
Peabody Engineering Corporation Stamford

**Furnaces**  
Rockwell Co., W. S. (Industrial) Fairfield

**Gage Blocks**  
Pratt & Whitney Co., Inc. (Alloy steel and Carbide, Hoke and USA) West Hartford

**Galvanizing**  
Malleable Iron Fittings Co. Branford  
Wilcox Crittenden & Co., Inc. Middletown

**Garment Accessories**  
Oakville Co. Div. Scovill Mfg. Co. Oakville

**Gaskets**  
Auburn Manufacturing Company, The (from all materials) Middletown  
Fitzgerald Manufacturing Co. Torrington

**Gaskets—Metallic**  
Laminated Shim Company, Inc. Glenbrook

**Gas Scrubbers, Coolers and Absorbers**  
Peabody Engineering Corporation Stamford

**Gauges**  
Bristol Co., The (pressure and vacuum-recording automatic control) Waterbury  
Helioid Gage Division American Chain & Cable Co., The (pressure and vacuum) Bridgeport  
J. & S. Machine Co., Inc. (End Measures, Cyl Plugs & Rings) Hartford  
Manning Maxwell & Moore, Inc. Stratford  
New Haven Trap Rock Co., The Machine Products Div (Johan Universal and Special Purpose Gauge) North Branford  
Pratt & Whitney Co., Inc. (Precision Measurement all types) West Hartford

**Gears**  
Bridgeport Worm & Gear Mfg. Co. Bridgeport  
Bristol Instrument Gears, Inc. Forestville  
Mitrametric Co., The (blanked fine pitch) Torrington

**Gears and Gear Cutting**  
Farrel-Birmingham Company, Inc. Ansonia  
Fenn Mfg. Co., The Newington  
Kallay Gear Works, The (up to 18" diam.) Fairfield  
United Gear & Machine Co. Suffield

**Generators**  
Safety Electrical Equipment Corp. New Haven

**Glass Blowing**  
Macalaster Bicknell Company New Haven

**Glass Containers**  
Feldman Glass Co., The New Haven

**Glass Cutters**  
Fletcher-Terry Co., The Forestville

**Grinding**  
Farrel-Birmingham Company, Inc. (Roll and Cylindrical) Ansonia  
Horberg Grinding Industries, Inc. (Precision custom grinding; centerless, cylindrical, surfaces, internal and special) Bridgeport  
K-F & D Mfg. Company, The (Contour and Precision) Manchester  
Unas Grinding Corporation (Od, ID Thompson surface & 3 Blanchards) East Hartford

**Grinding—Centerless**  
General Centerless Grinding, Inc. (infed, through feed and bar grinding) East Hartford

**Grinding Machines**  
Farrel-Birmingham Company, Inc. (Roll) Ansonia

**Grinding Wheels**  
Fuller Merriam Company, The West Haven

**Grommets**  
Anaconda American Brass Company, The Waterbury  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston

**Ground Plate**  
Superior Steel Products Corp. Cheshire

**Guards**  
Interstate Industrial Protection Co. (watchmen service) Bridgeport

**Hack and Band Saw Blades**  
Capewell Manufacturing Co. Hartford

**Hair Hygiene Preparations**  
Parker Herbox Corporation Stamford

**Hammer and Axe Wedges**  
Saling Manufacturing Company ("Sta-Fast" steel) Unionville

**Hammers—Carpenters and Machinists**  
Capewell Manufacturing Company Hartford

**Hand Tools**  
Billings and Spencer Company (wrenches, sockets and shop tools) Hartford  
Bridgeport Hardware Mfg. Corp., The (screw drivers, wrenches, nail pullers, box & crate openers, pliers, saws, trowels & special forgings) Bridgeport

**Hard Chrome Plating**  
Allied Platers, Inc. Hartford

**Hardened and Ground Parts**  
Hartford Machine Screw Company  
Div of Standard Screw Co. Hartford

**Hardness Testers**  
Wilson Mechanical Instrument Div American Chain & Cable Company, Inc. Bridgeport

**Hardware**  
Bassick Company, The (Automotive) Bridgeport  
Corbin Cabinet Lock Div. American Hardware Corp. New Britain  
Eagle Lock & Screw Co. Terryville  
Gordon Associates Derby  
Harlock Products Corp. New Haven  
Sargent & Company New Haven  
Wilcox Crittenden & Co., Inc. (marine heavy and industrial) Middletown  
Yale & Towne Mfg. Co., The Stamford

**Hardware—Marine & Bus**  
Rostand Mfg. Co., The Milford

**Hardware, Trunk & Luggage**  
Excelsior Hardware Co., The Stamford  
Yale & Towne Mfg. Co., The Stamford

**Harrow Discs**  
Scovill, Inc., D. & H. Higganum

**Hats**  
Hat Corporation of America (men's felt) South Norwalk

**Hat Machinery**  
Doran Bros., Inc. Danbury

**Health Surgical & Orthopedic Supports**  
Berger Brothers Company, The (custom made for back, breast and abdomen) New Haven

**Heaters**  
Silent Glow Oil Burner Corp., The (portable oil) Hartford

**Heat Elements**  
Electroflex Heat, Inc. Hartford  
Safeway Heat Elements, Inc. (woven wire resistance type) Middletown

**Heat Exchangers**  
Whitlock Manufacturing Co. Hartford

**Heat Sealing—Electronic**  
Berger Bros. (vinyl-polyethylene) New Haven



# CONNECTICUT PRODUCTS AND SERVICES

**Heat Treating**  
ABA Tool & Die Co. Manchester  
Bennett Metal Treating Co., The Elmwood  
Commercial Metal Treating Co. Bridgeport  
Hartford Machine Screw Company Hartford

Industrial Heat Treating Co. Derby  
New Haven Heat Treating Co., Inc. New Haven  
Progressive Metal Treating (tool and production) Bridgeport  
Skene Co., Inc., The William A. (metals) Bridgeport  
Skinner Precision Industries, Inc. New Britain  
Skinner-Horton Chuck Div. New Britain  
Stanley P. Rockwell Co., Inc. The Hartford (Advt.)

**Heat Treating Salts and Compounds**  
Barnes Co., The, Wallace Div. Associated Spring Corp. Bristol  
Rauer & Company, Inc. Hartford  
Rolock, Inc. (Retorts, Muffles, etc.) Fairfield  
Stanley P. Rockwell Co., Inc., The (commercial) Hartford

**Heat Treating Fixtures**  
Rolock, Inc. (Trays, Baskets, etc.) Fairfield  
Wiretex Mfg. Co., Inc. Bridgeport

**Heat Treating Salts and Compounds**  
Mitchell-Bradford Chemical Co. Milford

**Heaters—Electric**  
General Electric Company Bridgeport

**Heating and Cooling Coils**  
G & O Manufacturing Co. New Haven

**Heavy Chemicals**  
Naugatuck Chemical Division, United States Rubber Co. (sulphuric, nitric, and muriatic acids and aniline oil) Naugatuck

**Hex-Socket Screws**  
Allen Manufacturing Company, The Bloomfield  
Bristol Company, The Waterbury  
Hartford Machine Screw Co., Div. of Standard Screw Co. Hartford

**High Frequency Alternators**  
Electric Specialty Co. Stamford  
Safety Electrical Equipment Corp. New Haven

**Highway Guard Rail Hardware**  
Malleable Iron Fittings Co. Branford

**Hinges**  
Homer D. Bronson Company Beacon Falls

**Hobs and Hobblings**  
Pratt & Whitney Co., Inc. (Die and Thread milling) West Hartford

**Hobs**  
Hanson-Whitney Co., The (fine pitch gear)

**Hoes**  
Scovill, Inc., D. & H. (eye and grub) Higganum

**Holists and Trolleys**  
Union Mfg. Company New Britain

**Hooks & Eyes**  
Oakville Co. Div., Scovill Mfg. Co. Oakville

**Homogenizers**  
Sonic Engineering Corp. Stamford

**Honing**  
K-F & D Mfg. Company, The Manchester

**Hose Fittings**  
Scovill Manufacturing Company (garden and industrial hose) Waterbury

**Hose—Flexible Metallic**  
Anaconda American Brass Company, The American Metal Hose Branch Waterbury  
Johnson Metal Hose, Inc. Waterbury

**Hose Supporter Trimmings**  
Hawie Mfg. Co., The (So-Lo Grip Tabs) Bridgeport

**Hospital Products**  
Seamless Rubber Company New Haven

**Hospital & Rehabilitation Equipment**  
Polcats, Inc. Old Saybrook

**Hydraulic Brake Fluids**  
Els Automotive Co. Middletown  
**Hydraulic Components and Systems**  
Vickers Incorporated Marine & Ordnance Dept. Waterbury

**H.S. Form Tools**  
Somma Tool Co. (for automatic screw machines) Waterbury

**Hypodermic Needles**  
Roehr Products Company Waterbury

**Ignitors**  
Peabody Engineering Corporation (gas, electric or oil, electric) Stamford

**Impregnating**  
American Metaseal, Inc. (metal, wood, etc.) Hamden

**Incinerators**  
Silent Glow Oil Burner Corp., The Hartford

**Indexing Heads**  
Hartford Special Machinery Co., (Hartford "Super-Spacers") Hartford

**Induction Hardening**  
Flame Treating & Engineering Co. West Hartford

**Induction Heaters**  
Radio Frequency Co., Inc. New Britain

**Industrial Chrome Plating**  
Mirror Polishing & Plating Co., Inc. Waterbury

**Industrial Coatings**  
Aluminized Finish & Mfg. Co. (vacuum) Cromwell  
Illuminized Finish Co. (vacuum) Cromwell

**Industrial Design**  
Mel Saint Clair Associates (package and product design) Farmington  
Van Dyck Associates (product appearance and engineering) Westport

**Industrial Displays**  
Sansone Co., S. Frederick (Designers, Builders and Counselors) Short Beach

**Industrial Finishes**  
Chemical Coatings Corporation Rocky Hill

**Industrial Security**  
Interstate Industrial Protection Co. Bridgeport

**Industrial Tapes**  
Seamless Rubber Company New Haven

**Industrial Testing Services**  
Sperry Products Co., Div. of Howe Sound Co. Ultrasonic, X-ray and magnetic particle) Danbury

**Infrared Detectors**  
Barnes Engineering Co. (and systems) Stamford

**Inks**  
Waterman Pen Company, Inc. Seymour

**Insecticides**  
American Cyanamid Company Waterbury  
Fuller Brush Co., The East Hartford

**Inserts—Screw Threads**  
Hell-Coll Corp. Danbury

**Instalment Payment Books**  
Wassell Organization, Inc. Westport

**Insulated Wire & Cable**  
General Electric Company (for residential commercial and industrial applications) Bridgeport  
Kerite Company, The Seymour

**Insulated Wire & Cable Machinery**  
Davis Electric Company Wallingford

**Instruments**  
Bristol Company, The Waterbury  
Kahn and Company, Inc. (electronic indicating, recording and/or controlling) Waterbury

Manning Maxwell & Moore, Inc. Stratford  
Melcam Standards Laboratory (certified calibrations and repair specializing in quality control) Hartford  
Penn Keystone Corporation Derby

Pratt & Whitney Co., Inc. (Precision Measuring) West Hartford  
Sperry Products Co., Div. of Howe Sound Co. Ultrasonic flaw detection and thickness measurement) Danbury

**Intercommunication**  
Action Systems Co. Meriden

**Interval Timers**  
Lux Clock Manufacturing Company Waterbury  
Rhodes, Inc., M. H. Hartford

**Jacquard Cards**  
Case Brothers, Inc. Manchester

**Jig Borer**  
Atlantic Machine Tool Works, Inc. (Atlantic in several sizes) Newington  
Linley Brothers Company Bridgeport  
Moore Special Tool Co. (Moore) Bridgeport  
Pratt & Whitney Co., Inc. West Hartford

**Jigs, Fixtures & Gages**  
Federal Machine & Tool Co. Bristol

**Jig Grinder**  
Moore Special Tool Co. (Moore) Bridgeport

**Jig Grinding—Jig Boring**  
Apex Machine Tool Co. Elmwood

**Junior Automobiles**  
Power Car Company Mystic

**Key Blanks**  
Sargent & Company New Haven

**Labels**  
Naugatuck Chemical Division, United States Rubber Co. (for rubber articles) Naugatuck  
Seri-Print, Inc. (silk screened on glass, plastic, metal) Waterbury

**Label Moisteners**  
Better Packages, Inc. ("Counterboy" — "Packer") Shelton

**Laboratory Equipment**  
Eastern Industries, Inc. New Haven

**Laboratory Supplies**  
Macalaster Bicknell Company New Haven

**Laces**  
American Fabrics Company, The Bridgeport  
Wilcox Lee Corporation, The Middletown

**Lacquers & Synthetic Enamels**  
Chemical Coatings Corporation Rocky Hill  
I-Sis Chemicals, Inc. Stamford

**Ladders**  
Flint Co., A. W. New Haven

**Lamp Products**  
de Sherbinin Products, Inc., W. N. Hawleyville  
**Lampholders—Incandescent & Fluorescent**  
General Electric Company Bridgeport

**Lamp Shades**  
Verplex Company, The Essex

**Lathe Chucks**  
Skinner Precision Industries, Inc., Skinner-Horton Chuck Div. New Britain  
Whiton Machine Co. New London

**Lathes—Toolroom and Automatic**  
Pratt & Whitney Co., Inc. West Hartford

**Lead Plating**  
Christie Plating Co., The Groton

**Leather Dog Furnishings**  
Andrew B. Hendryx Co., The New Haven  
The Smith-Worthington Saddlery Co. Hartford

**Leather, Mechanical**  
Auburn Manufacturing Company, The (packings, cubs, washers, etc.) Middletown

**Letterheads**  
Lehman Brothers, Inc. (designers, engravers, lithographers) New Haven

**Lighting Equipment**  
Miller Co., The (Miller, Ivanhoe) Meriden

**Lime**  
New England Lime Company Canaan

**Lipstick Cases**  
Scovill Manufacturing Company Waterbury

# CONNECTICUT PRODUCTS AND SERVICES

**Lipstick Containers**  
Bridgeport Metal Goods Mfg. Co. Bridgeport  
Dorset-Rex, Inc., Subsidiary of Landers, Eray & Clark, Thomaston  
Lakewood Metal Products, Inc. Waterbury  
Seri-Print, Inc. (silk screen decorated) Waterbury

**Lithography**  
Bond Press, Inc., The Hartford  
City Printing Co., The New Haven  
Hemlinway Corporation Waterbury  
Lehman Brothers, Inc. New Haven  
Mullson Label Co. No. Haven  
O'Toole & Sons, Inc., T. Stamford  
Steinbach & Sons, A. D. New Haven

**Locks—Builders**  
Sargent & Company New Haven

**Lock Nuts**  
McMellon Bros., Inc. Bridgeport

**Locks—Suitcase and Trimmings**  
Excelsior Hardware Co., The Stamford

**Locks—Trunk**  
Excelsior Hardware Co., The Stamford

**Locks—Zipper**  
Excelsior Hardware Co., The Stamford

**Loom—Non-Metallic**  
Wiremold Company, The Hartford

**Lumber & Millwork Products**  
City Lumber Co. of Bridgeport, Inc. Bridgeport

**Machetes**  
Collins Company, The Collinsville

**Machine Designers and Manufacturers**  
Research & Development Designers, Inc. Middletown

**Machine Shop Fabrication**  
Advanced Electronics, Inc. Rocky Hill

**Machine Tools**  
Farrel-Birmingham Company, Inc. Ansonia  
Pratt & Whitney Co., Inc. West Hartford  
Producto Machine Company, The Bridgeport

**Machine Work**  
Ameco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Banthin Engineering Co. Bridgeport  
Ben-Nek Holder, Inc. (light machining & secondary operations) Branford  
Essex Machine Works, Inc. Essex  
Farrel-Birmingham Company, Inc. Ansonia  
Fenn Manufacturing Company, The (precision parts) Newington  
Fuller Brush Co., The (precision contract work) East Hartford  
Gros-It Industries, Inc. (Bullard) Farmington

Hartford Special Machinery Co., The (contract work only) Hartford

Holland Machine Co., Inc. The East Hartford

Lombardi Engineering Co. Derby

McMellon Bros., Inc. (precision threaded parts) Bridgeport

National Sheradizing & Machine Co. (Job) Hartford

New Haven Trap Rock Co., The Machine Products Div. North Branford

Parker-Hartford Corporation Hartford  
Safety Electrical Equipment Corp. New Haven

Torrington Manufacturing Co., The (special rolling mill machinery) Torrington

Torrington Co., The Torrington

**Machinery**  
Conn. Machine Repair, Inc. (special mfg.) Bridgeport

Davis Electric Company (Wire and Cable) Wallingford

Fenn Manufacturing Company, The (special) Newington

Halden Machine Company, The (mill) Thomaston

Torrington Manufacturing Co., The (mill) Torrington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (metal working) Waterbury

**Machinery—Automatic**  
Banthin Engineering Company (new and rebuilt) Bridgeport

**Machinery—Automatic Feeding**  
Technical Design and Development Co., Inc. Milford

**Machinery—Bolt and Nut**  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machinery—Cold Heading**  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machinery Dealers & Rebuilders**  
Botwink Brothers New Haven

Bristol Metal Working Equipment East Hartford

Conn. Machine Repair, Inc. Bridgeport

J. L. Lucas and Son Fairfield

State Machinery Co., Inc. New Haven

**Machinery—Extruding**  
Standard Machinery and Davis-Standard Divisions of Franklin Research Corp., Mystic

**Machinery—Metal—New**  
Lucas & Co., Inc., Austin D. Bridgeport

**Machinery—Metal—Used**  
Lucas & Co., Inc., Austin D. Bridgeport

**Machinery—Metal-Working**  
Fenn Mfg. Co., The Newington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

Pratt & Whitney Co., Inc. West Hartford

**Machinery—Nut**  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (forming and tapping) Waterbury

**Machinery—Screw and Rivet**  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machinery—Wire Drawing**  
Fenn Mfg. Co., The Newington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machinery Rebuilding**  
Conn. Machine Repair, Inc. Bridgeport

**Machinery—Wire Straightening**  
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machinery—Wire Straightening & Cutting**  
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven

**Machines**  
Allison-Campbell Div., American Chain & Cable Co., Inc. (abrasive cutting machines and wheels) Bridgeport

Conlter & McKenzie Machine Co., The (special, new development engineering design and construction) Bridgeport

**Machines—Automatic Chucking**  
Pratt & Whitney Co., Inc. (Potter & Johnson) West Hartford

**Machines—Draw Benches**  
Fenn Manufacturing Company, The Newington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machines—Forming**  
Nilson Machine Company, The, A. H. (four-slide wire and ribbon stock) Shelton

**Machines—Paper Rolling**  
John McAdams & Sons, Inc. Norwalk

**Machines—Rolling**  
Fenn Manufacturing Company, The Newington

**Machines—Slotting**  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. (screw head) Waterbury

**Machines—Special**  
Fenn Mfg. Co., The Newington

Fuller Brush Co., The East Hartford

**Machines—Special Build**  
Ameco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Essex Machine Works, Inc. Essex

**Machines—Swaging**  
Fenn Mfg. Co., The Newington

Torrington Co., The Torrington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machines—Thread Rolling**  
Shuster Wire Machine Div., Mettler Machine Tool, Inc. New Haven

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machines—Turks Head**  
Fenn Mfg. Co., The Newington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machines—Wire Drawing**  
Fenn Mfg. Co., The Newington

Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Machining—Horizontal Boring**  
Tucker Machine Co. New Haven

**Magnesium Sand Castings**  
Peerless Aluminum Foundry Co., Inc. Bridgeport

**Management Consultants**  
Administrative-Technical Personnel Service Hartford

**Mandrels—Expanding**  
LeCount Tool Works, Inc. (sub. of The Grimes Engineering Corp.) Cheshire

**Manganese Bronze Ingot**  
Whipple and Choute Company Bridgeport

**Manicure Instruments**  
W. E. Bassett Company, The Derby

**Manifold Forms**  
Walters Business Forms, Inc. Bloomfield

**Marine Equipment**  
Wilcox-Crittenden Div., North & Judd Mfg. Co. Middletown

**Marine Machines**  
Essex Machine Works Inc. (Propellers, Shafts, etc.) Essex

**Marine Reserve Gears**  
Snow-Nabstedt Gear Corp., The New Haven

**Marketing Counsel**  
Brunelle Co., The Charles Hartford

**Marking Devices**  
Cooney Engraving Co. Branford

Hoggson & Pettis Mfg. Co., The New Haven

Parker-Hartford Corporation (steel) Hartford

**Marking Machines and Tools**  
Noble & Westbrook Manufacturing Co., The East Hartford

**Marking Tools**  
Parker-Hartford Corporation Hartford

**Masonry Products**  
Plasticrete Corp. Hamden, Hartford, North Haven, Waterbury, Willimantic

**Materials Handling**  
Parsons Co., Inc., W. A. (tote pans) Durham

**Mattresses**  
Waterbury Mattress Co. Waterbury

**Metal Boxes**  
Durham Mfg. Co. Durham

Parsons Co., Inc., W. A. (tool kits) Durham

**Metal Boxes and Displays**  
Durham Mfg. Co., The (Designing & Mfg. to customers' specifications) Durham

Merriam Mfg. Co. (Bond, Security, Cash, Utility, Personal Files, Drawer Safes, Custombuilt containers and displays) Durham

**Metal Cleaners**  
Enthone, Inc. New Haven

Hubbard Hall Chemical Company, The Waterbury

MacDermid, Incorporated Waterbury

**Metal Finishes**  
Enthone, Inc. New Haven

Mitchell-Bradford Chemical Co. Milford

**Metal Finishing**  
Contract Plating Co., Inc. Stratford

Hartford Industrial Finishing Co. Hartford

National Sheradizing & Machine Co. Hartford

Stamford Polishing & Plating Corp. Stamford

Waterbury Plating Company Waterbury

# CONNECTICUT PRODUCTS AND SERVICES

<b>Metal Formings</b>		<b>Missile Details</b>		<b>Nuts, Bolts and Washers</b>	
Master Engineering Company	West Cheshire	Tag Alloy Welding & Mfg. Co., Inc. (weld-ments)	Glastonbury	Clark Brothers Bolt Co.	Milldale
Oakville Co. Div. Scovill Mfg. Co.	Oakville			Hartford Machine Screw Co. Div. of Standard Screw Co., The	Hartford
Scovill Manufacturing Company	Waterbury			Torrington Co., The	Torrington
<b>Metallizing</b>		<b>Mixing Equipment</b>		<b>Office Equipment</b>	
R.T.G. Inc. (flame spraying of metal alloys and ceramics)	Manchester	Alsop Engineering Co.	Milldale	Pitney-Bowes, Inc.	Stamford
Metallizing Service Co.	Elmwood	Eastern Industries, Inc.	New Haven	Thermo-Fax Sales of Conn., Inc.	New Haven
<b>Metallurgists</b>		<b>Model Work</b>		Underwood Corporation	Hartford
Bridgeport Testing Laboratory, Inc.	Bridgeport	B. & N. Tool & Engineering Co. (instruments and timing devices)	Thomaston	Wassell Organization, Inc.	Westport
<b>Metal Mouldings</b>		<b>Models and Prototypes</b>		<b>Office Printing</b>	
Leed Co., The H. A.	Hamden	Elmwood Tool & Machine Company, Inc.	Elmwood	Kellog & Bulkeley, A Div. of Connecticut Printers, Inc.	Hartford
<b>Metal Powders</b>		Research & Development Designers, Inc.	Middletown	<b>Offset Printing</b>	
Valley Metallurgical Processing Co., Inc. (and Plasma Coatings)	Centerbrook	<b>Mold Frames</b>		Bond Press, Inc., The	Hartford
<b>Metal Powder Products</b>		Superior Steel Products Corp.	Cheshire	City Printing Co., The	New Haven
Norwalk Powdered Metals, Inc.	Norwalk	<b>Molded Fiberglass Products</b>		Heminway Corporation	Waterbury
<b>Metal Products—Stampings</b>		Fiberglass Products Eng. Co.	South Norwalk	<b>Oil Burners</b>	
Anaconda American Brass Company, The	Waterbury	<b>Moldings—Powder Metal Materials</b>		Peabody Engineering Corp. (Mechanical or Steam Atomizer)	Stamford
Scovill Manufacturing Company (Made-to-Order)	Waterbury	American Sintering Div., Engineered Plastics	Watertown	Silent Glow Oil Burner Corp., The	Hartford
Stanley Pressed Metal	New Britain	<b>Mops</b>		<b>Oil Tanks</b>	
<b>Metal Specialties</b>		Fuller Brush Co., The (wet and dry mops and dusters)	East Hartford	Norwalk Tank Co. Div. Mersick Industries, Inc.	South Norwalk
Ben-Nek Holder, Inc.	Brantford	<b>Motion Picture Equipment</b>		Whitlock Mfg. Co., The	Hartford
Excelsior Hardware Co., The	Stamford	Victor Animatograph Corp., a div. of Kallart (16 mm. sound and silent projectors, film splicers, and rewinders)	Plainville	<b>Oilers—Lubricating</b>	
Torrington Co., The	Torrington	<b>Motion Pictures</b>		Commodity Sales Inc. (Refillable type—hypodermic; disposal butyrate tube oilers)	Hartford
<b>Metal Spinning</b>		Cine-Video Productions, Inc.	Millford	<b>Oils—Cutting</b>	
Moseley Metal Crafts, Inc.	West Hartford	<b>Motor Drives</b>		Anderson Oil and Chemical Co., Inc.	Portland
<b>Metal Stampings</b>		Electronic Controls, Inc. (adjustable speed)	Stamford	<b>Optical Comparator Charts</b>	
Anaconda American Brass Company, The	Waterbury	<b>Motor—Generator Sets</b>		Research & Development Designers, Inc.	Middletown
Better Formed Metals, Inc.	Waterbury	Electric Specialty Co.	Stamford	<b>Optical Instruments</b>	
Cly-Del Manufacturing Co.	Waterbury	Safety Electrical Equipment Corp.	New Haven	Barnes Engineering Co. (and systems)	Stamford
Dayton Rogers Corp.	Brookfield	<b>Motors—Hysteresis Synchronous</b>		<b>Otis Woven Awning Stripes</b>	
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston	Beau Electronics	Waterbury	The Falls Company	Norwich
Excelsior Hardware Co., The	Stamford	<b>Motors—Electric Timing</b>		<b>Ovens</b>	
Greist Mfg. Co., The	New Haven	Cramer Controls Corp., The	Centerbrook	Rockwell Co., W. S. (industrial)	Fairfield
H. C. Cook Co., The	Ansonia	<b>Motors Synchronous</b>		<b>Ovens—Electric</b>	
Lombardi Engineering Co.	Derby	Cramer Controls Corp., The	Centerbrook	Bauer & Company, Inc.	Hartford
Mohawk Mfg. Co. (threaded)	Middletown	Electric Specialty Co.	Stamford	<b>Packaging</b>	
North & Judd Mfg. Co.	New Britain	<b>Moulded Plastic Products</b>		Commerce Packaging Corporation (military, commercial & export canning & crating)	Stamford
J. A. Otterbein Company, The (metal fabrications)	Middletown	Butterfield, Inc., T. F.	Naugatuck	Seri-Print, Inc. (silk screened on plastic, metal, glass)	Waterbury
Patent Button Co., The	Waterbury	U. S. Plastic Molding Corp.	Wallingford	<b>Packaging—Engineering</b>	
Saling Manufacturing Co.	Unionville	Waterbury Companies, Inc.	Waterbury	Commerce Packaging Corp.	Stamford
Scovill Manufacturing Company	Waterbury	Watertown Mfg. Co., The	Watertown	Progressive Packaging Corp. (military & commercial for domestic and export packaging, canning, crating and shipping)	East Haven
Stanhelm Mfg. Co.	Bristol	<b>Mouldings</b>		<b>Packaging &amp; Packing</b>	
Terryville Manufacturing Co.	Terryville	Himmel Brothers Co., The (architectural, metal and store front)	Hamden	Commerce Packaging Corp. (military, commercial, plastic & blister, export & domestic crating)	Stamford
Wasley Products, Inc.	Plainville	<b>Moulds</b>		Mercer & Stewart Co., The	Hartford
Waterbury Companies, Inc.	Waterbury	Hoggston & Pettis Mfg. Co., The (steel)	New Haven	<b>Packing</b>	
Waterbury Lock & Specialty Co., The	Millford	<b>Name Plates</b>		Anburn Manufacturing Co., The (leather, rubber, asbestos, fibre)	Middletown
<b>Metals Testing</b>		Cooney Engraving Co.	Brantford	Raybestos Div. of Raybestos-Manhattan, Inc. (Asbestos and Rubber Sheet)	Bridgeport
Metals Testing Co., Inc. (Air Force, Army, Navy, Certified, Magnaflux, Zylo)	East Hartford	Quality Name Plate, Inc.	East Glastonbury	<b>Padlocks</b>	
<b>Meters—Gas</b>		Seton Name Plate Co. (metal & plastic name plates and identification tags)	New Haven	Sargent & Company	New Haven
Sprague Meter Company	Bridgeport	<b>Napper Clothing</b>		Waterbury Lock & Specialty Co., The	Millford
<b>Meters—Parking</b>		Standard Card Clothing Co., The (for textile mills)	Stafford Springs	<b>Pads—Office</b>	
Rhodes, Inc., M. H.	Hartford	<b>Nettings</b>		The Baker Goodyear Company	Brantford
<b>Microfilming</b>		Wilcox Lace Corp., The	Middletown	<b>Paints—Enamels—Lacquers</b>	
American Microfilming Service Co.	New Haven	<b>Nickel Anodes</b>		Voltax Company, Inc., The	Bridgeport
Cine-Video Productions, Inc.	Millford	Hubbard Hall Chemical Company, The	Waterbury	<b>Panels</b>	
<b>Microfilm—Reader-Printer</b>		Seymour Mfg. Co., The	Seymour	Tech Design Co., Inc., (designers & fabricators of control centers)	Ansonia
Thermo-Fax Sales of Conn., Inc.	New Haven	<b>Nickel Silver</b>		<b>Panelite</b>	
<b>Micrometers</b>		Anaconda American Brass Company, The	Waterbury	Leed Co., The H. A.	Hamden
Slocum Co., The J. T.	Glastonbury	Miller Co., The (in coils and strips)	Meriden	<b>Panta</b>	
<b>Mill Machinery</b>		Plume & Atwood Mfg. Co., The	Thomaston	Moore Special Tool Co. (crush wheel dresser)	Bridgeport
Torrington Mfg. Co., The	Torrington	Waterbury Rolling Mills, Inc. (sheets, strips, rolls)	Waterbury	<b>Paperboard</b>	
Waterbury Farrel Foundry & Machine Co.	Waterbury	<b>Nickel Silver Ingot</b>		Continental Can Co., Boxboard and Folding Carton Division	Montville
The Division of Textron, Inc.	Waterbury	Whipple and Choate Co., The	Bridgeport	Federal Paper Board Co., Inc.	New Haven
<b>Milling Machines</b>		<b>Night Latches</b>		New Haven Board & Carton Co., The	New Haven
Pratt & Whitney Co., Inc. (Keller Tracer—controlled Milling Machines)	West Hartford	Sargent & Company	New Haven	Robertson Paper Box Co.	Montville
<b>Mill Products</b>		<b>Nitriding</b>			
Scovill Manufacturing Co. (aluminum, brass, bronze, nickel silver—sheet, rod, wire, tube)	Waterbury	Hartford Machine Screw Co.	Hartford		
<b>Mill Supplies</b>		<b>Non-ferrous Metal Castings</b>			
Wilcox-Crittenden Div., North & Judd Mfg. Co.	Middletown	Miller Company, The	Meriden		
<b>Millwork</b>		Scovill Manufacturing Company	Waterbury		
Hartford Builders Finish Co.	Hartford	<b>Nuclear Details</b>			
<b>Miniature Precision Connectors</b>		Tag Alloy Welding & Mfg. Co., Inc. (weld-ments)	Glastonbury		
Gorn Electric Co.	Stamford				
<b>Miniature Power Tools</b>					
Foredom Electric Co., Inc.	Bethel				
<b>Minute Minders</b>					
Lux Clock Mfg. Co., The	Waterbury				
<b>Mirror Rosettes and Hangers</b>					
Waterbury Companies, Inc.	Waterbury				

# CONNECTICUT PRODUCTS AND SERVICES

**Paper Boxes**  
Atlantic Carton Corp. (folding) Norwich  
National Folding Box Co. Div. Federal  
Paper Board Co., Inc. (folding) New Haven & Versailles  
Mills, Inc. H. J. Bristol  
New Haven Board & Carton Co., The New Haven  
Robertson Paper Box Co. (folding) Montville

**Paper Boxes—Folding**  
Hercules Paper Box Corp., The Bridgeport

**Paper Boxes—Folding and Setup**  
Bridgeport Paper Box Co. Bridgeport  
M. Backes' Sons, Inc. Wallingford

**Paper Clips**  
H. C. Cook Co., The (steel) Ansonia

**Paper Fasteners**  
Oakville Co. Div. Scovill Mfg. Co. Oakville

**Paper Mill Machinery**  
Farrel-Birmingham Company, Inc. Ansonia

**Paper Products**  
Nu-Wipe, Inc. (towel, dusting, polishing, finishing, packaging) Plainville

**Paper—Shredded**  
Nielsen & Sons, Inc., John R. South Windsor

**Paper Tubes and Cores**  
Sonoco Products Co. Mystic

**Parallel Tubes**  
Sonoco Products Co. Mystic

**Parking Meters**  
Rhodes, Inc., M. H. Hartford

**Parts**  
Amco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Hartford Machine Screw Co., Div. of  
Standard Screw Co. Hartford  
Scovill Manufacturing Company (ammunition, electric instrument, electrical appliance, fountain pen, instrument, lighting fixture, ordnance, etc.—blanked, stamped, formed, drawn, re-drawn, forged, screw machined, headed, pointed, finished) Waterbury  
Torrington Co., The Torrington

**Parts and Assemblies**  
Amco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Custom Products Corp. Bridgeport

**Perfumes**  
Chesebrough-Pond's, Inc. Clinton

**Personnel Consultants**  
Advancement Opportunities Hartford  
Snelling & Snelling Hartford

**Personnel Recruiting**  
Administrative-Technical Personnel Service (executive) Hartford  
Advancement Opportunities Hartford

**Pet Furnishings**  
Andrew B. Hendrix Co., The New Haven

**Phenolic Resins**  
Synco Resins, Inc. Bethel

**Phosphate Coating**  
Black Oxide, Inc. New Britain

**Phosphor Bronze**  
Anaconda American Brass Company, The (brass & copper) Waterbury  
Miller Company, The (sheets, strips, rolls) Meriden  
Plume & Atwood Mfg. Co., The Thomaston  
Waterbury Rolling Mills, Inc. (sheets, strips, rolls) Waterbury

**Phosphor Bronze Ingots**  
Whipple and Choate Co., The Bridgeport

**Photo Engraving**  
Dawd, Wyllie & Olson, Inc. Hartford  
Wilcox Photo Engraving Co., Inc. New Haven

**Photocopy Equipment and Supplies**  
Ludwig, Inc., F. G. Old Saybrook

**Photographic Equipment**  
Kalart Company, Inc. Plainville

**Photographic Murals**  
Eitel, Walter T. (color & black and white) West Hartford

**Photography**  
Eitel, Walter T. West Hartford

**Piano Repairs**  
Pratt Read & Co., Inc. (keys and action) Ivoryton

**Piano Supplies**  
Pratt Read & Co. (keys and actions, backs, plates) Ivoryton

**Pillow Blocks**  
New Departure Div. of General Motors (ball) Bristol

**Pins**  
CEM Company ("Spirl") Danielson  
Hartford Machine Screw Co. Div. of  
Standard Screw Co. Hartford  
Oakville Co. Div. Scovill Mfg. Co. (safety & straight) Oakville  
Star Pin Co., The (straight and safety) Shelton  
Torrington Co., The (Dowel & Taper) Torrington

**Pins—Common**  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark, Thomaston  
Union Pin Co., The Winsted

**Pins—Plastic Heads**  
Union Pin Co., The Winsted

**Pipe**  
Anaconda American Brass Company, The Waterbury  
Chase Brass & Copper Co. (red brass and copper) Waterbury  
Howard Co. (cement well and chimney) New Haven

**Pipe Fittings**  
Malleable Iron Fittings Co. Branford

**Pipe Organs**  
Austin Organs, Inc. Hartford

**Pipe Plugs**  
Hartford Machine Screw Co. Div. of  
Standard Screw Co. Hartford

**Pipe Plugs—Socketed**  
Hartford Machine Screw Co. Div. of  
Standard Screw Co. Hartford

**Pistols & Revolvers**  
Colt's Patent Fire Arms Mfg. Co., Inc. Hartford

**Plant Protection**  
Interstate Industrial Protection Co. Bridgeport

**Plastic Bilster Packaging**  
Commerce Packaging Corporation (ball bearings & small parts) Stamford

**Plastic Bottles**  
Industrial Plastic Supply Div. (Dist. for Plax Corp.) West Hartford  
Plax Corporation Bloomfield  
Seri-Print, Inc. (silk screen labeling) Waterbury

**Plastic Buttons**  
Frank Parizek Manufacturing Co., The West Willington

**Plastic Coatings**  
Plastonics, Inc. East Hartford

**Plastic Engraving**  
New England Engraving Co. Div. of Dura  
Plastics of New York, Inc. Westport  
Salisbury Products, Inc. Lakerville

**Plastic Extruders**  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Jessall Plastics Div. of The Electric Storage Battery Co. Kensington  
Shore Line Industries, Inc. Clinton

**Plastic Fabrication**  
Dura Plastics of New York, Inc. Westport  
Fabricon Corp. Unionville  
Industrial Plastic Supply Div. (models, machined parts, etc.) West Hartford  
New England Rack Co., Inc. (hood & duct systems, tanks, etc.) Hamden  
Salisbury Products, Inc. Lakerville  
Shore Line Industries, Inc. Clinton

**Plastic Film & Sheet Materials**  
Gilman Brothers Co., The Gilman  
Flax Corporation Bloomfield  
Shore Line Industries, Inc. Clinton

**Plastic Forming**  
Auto-Vac Co.-Auto-Blow Corp. (vacuum & pressure forming, blow molding) Fairfield  
Dura Plastics of New York, Inc. Westport

**Plastic Lining Equipment**  
Enthone, Inc. New Haven

**Plastic Material**  
Dura Plastics of New York, Inc. (sheet, rod & tube) Westport  
Shore Line Industries, Inc. Clinton

**Plastic Molds**  
Advance Mold & Mfg., Inc. Hartford

**Plastic Molders**  
B & B Plastics, Inc. Oakville  
Butterfield, Inc. T. F. Naugatuck  
Coggins Mfg. Co., The J. B. Meriden  
Conn. Plastics Waterbury  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Engineered Plastics, Inc. Watertown  
Plastic Molding Corporation Sandy Hook  
Rogers Mfg. Co., The Rockfall  
Specialty Plastics Corp. (custom) Shelton  
U. S. Plastic Molding Corp. Wallingford  
Waterbury Companies, Inc. Waterbury  
Waterbury Mfg. Co., The Watertown

**Plastic Pipe and Fittings**  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Enthone, Inc. New Haven  
Jessall Plastics Div. The Electric Storage Battery Co. Kensington

**Plastic Rod**  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Jessall Plastics Div. The Electric Storage Battery Co. Kensington

**Plastic Strip**  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Jessall Plastics Div. The Electric Storage Battery Co. Kensington

**Plastic Tubing**  
Danielson Mfg. Co., The (nylon and other engineering plastics) Danielson  
Jessall Plastics Div. The Electric Storage Battery Co. Kensington  
Shore Line Industries, Inc. Clinton

**Plastic Wire Coating Materials**  
Electronic Rubber Co. Stamford

**Plastics**  
Industrial Plastic Supply Div. (sheet, rod and tube, Dist. for Plexiglas) Hartford  
Naugatuck Chemical Division, United States Rubber Co. Naugatuck (Advt.)  
Shore Line Industries, Inc. Clinton

**Plastics & Resins**  
American Cyanamid Co., Plastics & Resins Div. Wallingford

**Plastics—Moulds & Dies**  
Crown Tool & Die Co., Inc. Bridgeport

**Plasticrete Block**  
Plasticrete Corp. Hamden, Hartford,  
North Haven, Waterbury, Willimantic

**Platers**  
Acme Chromium Plating Co. New Haven  
Christie Plating Co. Groton  
Chromium Process Company, The (Chromium Plating only) Shelton  
Water Plating Company Waterbury

**Platers' Equipment**  
Enthone, Inc. New Haven  
Lea Manufacturing Co., The Waterbury

**Plating**  
Christie Plating Co., The (including lead plating) Groton  
Glering Metal Finishing, Inc. Hamden  
Roberts Plating Company Naugatuck  
Tec-Plate, Inc. Windsor Locks

**Plating Processes and Supplies**  
Enthone, Inc. New Haven  
Seymour Manufacturing Co., The Seymour

**Plating Racks**  
New England Rack Co., Inc. (anodizing, conveyor, etc.) Hamden

**Plumbers' Brass Goods**  
McGuire Mfg. Co. Waterbury  
Scovill Manufacturing Co. Waterbury

**Pneumatic Conveyors**  
Spencer Turbine Co., The Hartford

**Pole Line Hardware**  
Malleable Iron Fittings Co. Branford

**Police Equipment**  
The Smith-Worthington Saddlery Co. Hartford

**Polishing**  
C. & E. Metal Finishing Co. Hartford  
Mirror Polishing & Plating Co., Inc. Waterbury

**Postage Meters**  
Pitney Bowes, Inc. Stamford

**Potentiometers—Electronic**  
Bristol Company, The Waterbury

**Power Wrenches**  
Cushman Chuck Co. (chucks) Hartford



# CONNECTICUT PRODUCTS AND SERVICES

**Precision Machining**  
National Tool & Die Co. Hartford

**Precision Machine Tool Spindles**  
Whitton Manufacturing Co. (for milling, grinding, boring & drilling) Farmington

**Precision Manufacturing**  
Amco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
American Standard Products, Inc. Hartford  
Hartford Machine Screw Co., Div. of  
Standard Screw Co. Hartford  
Scovill Manufacturing Company Waterbury  
Torrington Co., The Torrington

**Precision Revolving Machinery**  
Whitton Manufacturing Co. Farmington

**Precision Sheet Metal Fabrication**  
Milford Fabricating Co. Milford

**Precision Springs & Wire Forms**  
Rowley Spring Co., Inc., The Bristol

**Premium Specialties**  
Waterbury Companies, Inc. Waterbury

**Preservatives—Wood, Rope, Fabric**  
Darworth Incorporated ("Cuprinol")  
("Cellu-san") Simsbury

**Pressboard**  
Case Brothers, Inc. (genuine) Manchester  
Case & Risley Press Paper Co. (genuine) Oneho

**Presses**  
Farrel-Birmingham Co., Inc. (Hydraulic) Ansonia

**Presses—Power**  
Pneumatic Application Co., The (modernization of presses through conversion to Wichita Air Clutch operation) Simsbury  
Waterbury Farrel Foundry & Machine Co., The, Div. of Textron, Inc. Waterbury

**Pressure Vessels**  
Bigelow Co., The New Haven  
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk  
Kulock, Inc. Fairfield  
Whitlock Mfg. Co., The Hartford

**Printing**  
Allied Printing Service, Inc. Manchester  
Bond Press, Inc., The Hartford  
Bussmann Press, Inc. New Haven  
City Printing Co., The New Haven  
Finlay Brothers Hartford  
Hemiway Corporation, The Waterbury  
Hilbreth Press Bristol  
Hunter Press Hartford  
Lehman Brothers, Inc. New Haven  
Miller-Johnson, Inc. Meriden  
Seri-Print, Inc. (silk screening for all aerosol & cosmetic containers) Waterbury  
Shore Line Times Publishing Co. Guilford  
T. B. Simonds, Inc. Hartford  
A. D. Steinbach & Sons New Haven  
Taylor & Greenough Co., The Wethersfield  
Typo Press (and Lithography) Bridgeport  
The Walker-Rackliff Company New Haven

**Printing Machinery**  
Banthin Engineering Co (automatic) Bridgeport

**Printing Plates**  
Ads, Inc., Div. CSW Plastic Types, Inc.  
(mats services) Rocky Hill

**Printing Rollers**  
Chambers-Storck Company, Inc., The  
(engraved) Norwich

**Printing—Silk Screen**  
Ad-Craft Displays, Inc. Bloomfield

**Production**  
House Co., N. E. (Assembly, Stampings, Drilling & Tapping) East Hampton

**Production Control Equipment**  
Ripley Company, Inc. Middletown  
Wassell Organization, Inc. Westport

**Propellers—Aircraft**  
Hamilton Standard Div. United Aircraft Corp. (propellers and other aircraft equipment) Windsor Locks

**Protective Coatings**  
Harrison Company, The A. S. (waxes) South Norwalk  
Synco Resins, Inc. Bethel

**Public Relations Counsel**  
Brunelle Co., The Charles Hartford

**Publicity Services**  
Brunelle Co., The Charles Hartford  
Watson-Manning Advertising Stratford

**Publishers**  
O'Toole & Sons, Inc., The Stamford

**Pumps**  
Aslop Engineering Co. Milldale  
Sonic Engineering Co. Stamford  
Sump Pumps, Inc. (Deep-well electro-submersible) Stamford

**Pumps—Small Industrial**  
Eastern Industries, Inc. New Haven

**Punches**  
Hoggson & Pettis Mfg. Co., The (ticket & cloth) New Haven

**Purchasing Service—Industrial**  
Hartz-Miller Associates Meriden

**Putty Softeners—Electrical**  
Fletcher Terry Co., The Forestville

**Pyrometers**  
Bristol Co., The (recording and controlling) Waterbury

**Racks—Storage**  
Dudwallen Manufacturing Co., Inc. (for pallets, drums, cases, bales) East Hartford

**Radar Speed Meters**  
Automatic Signal Div. Eastern Industries, Inc. Norwalk

**Radiation—Finned Copper**  
Bush Manufacturing Co. West Hartford  
G & O Manufacturing Company, The New Haven  
Vulcan Radiator Co., The (steel and copper) Hartford

**Radiation Shielding Products**  
Ray Proof Corporation Stamford

**Radiators—Engine Cooling**  
G & O Manufacturing Co. New Haven

**Ratchet Offset Screw Driver**  
Chapman Co., J. W. Durham

**Rayon Staple Fiber**  
Hartford Fibres Co. div Bigelow Sanford Co.  
Rocky Hill

**Reamers**  
Atrax Company, The (solid carbide) Newington  
Pratt & Whitney Co., Inc. (all types) West Hartford  
Pratt & Whitney Co., Inc. (all types carbide and HSS) West Hartford

**Reamers—Helical**  
Gammons-Hoaglund Co., The Manchester

**Reamers—Machine**  
Gammons-Hoaglund Co., The Manchester

**Reamers—Taper**  
Gammons-Hoaglund Co., The Manchester

**Record Equipment**  
Wassell Organization, Inc., (filling equipment) Westport

**Recorders**  
Bristol Co., The (automatic controllers, temperature, pressure, flow, humidity) Waterbury

**Recording Machines**  
Dictaphone Corporation Bridgeport

**Reduction Gears**  
Snow-Nabstedt Gear Corp., The New Haven

**Reels—Wooden**  
Bridge Mfg. Co., The (for wire and cable) Hazardville

**Refractories**  
Howard Company New Haven  
Mullite Works Refractories Div. H. K. Porter Co., Inc. Shelton

**Refrigeration**  
Dunham-Bush, Inc. West Hartford  
Refrigeration Condensing Units  
Brunner Division of Dunham-Bush, Inc. West Hartford

**Refrigeration Service**  
Alco Ref. & Mfg. Co. East Hartford  
Hartford Refrigeration Service, Inc. Hartford

**Relays**  
Allied Control, Inc. Plantsville

**Remanufacturing—Warner & Swasey**  
Turret Lathe Services Coventry

**Rental**  
HB Motion Picture Service (audio-visual equip.—all types) New Haven

**Research and Development**  
Continental Engineering Corporation Farmington  
Raymond Engineering Laboratories (Electro-Mechanical) Middletown  
Research & Development Designers, Inc. Middletown  
Sperry Products Co., Div. Howe Sound Co. (Ultrasonic) Danbury

**Resistance Wire**  
C. O. Jeliff Mfg. Co., The (nickel chromium, copper nickel, iron chromium, aluminum) Southport  
Kanathal Corporation, The Stamford

**Respirators**  
American Optical Company, Safety Products Division Putnam

**Retainers**  
Lacey Manufacturing Co., The (precision ball bearing) Bridgeport

**RF Power & VSWR Measuring Equipment**  
Jones Electronics Co., Inc. Bristol

**Rigid Plastic Sheet Material**  
Gilman Brothers Company, The Gilman

**Riveting Machines**  
Grant Mfg. & Machine Co., The Bridgeport  
Linley Brothers Company Bridgeport  
Patent Button Co., The (automatic) Waterbury  
Ripley Company, Inc. Middletown  
H. P. Townsend Manufacturing Co., The Elmwood

**Rivets**  
Clark Brothers Bolt Co. Milldale  
Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark Thomaston  
Milford Rivet & Machine Co., The Milford

**Rivet Setting Machines**  
Milford Rivet & Machine Co., The Milford

**Rods**  
Anaconda American Brass Company, The (copper, brass, bronze) Waterbury  
Bristol Brass Corp., The (brass and bronze) Bristol  
Scovill Manufacturing Company (aluminum, brass, bronze, etc.) Waterbury

**Rollers—Bituminous Paving**  
Gabb Special Products Div. E. Horton & Son Company Windsor Locks

**Rolled Shapes**  
Cowles & Co., C. (and mouldings) New Haven

**Rolling Mills & Equipment**  
Fenn Mfg. Co., The Newington  
Precision Methods & Machines, Inc. Waterbury  
Waterbury Farrel Foundry & Machine Co., The, Division of Textron, Inc. Waterbury

**Rolls**  
Farrel-Birmingham Company, Inc. (Chilled and Alloy Iron, Steel) Ansonia

**Rotary Files**  
Atrax Company, The (carbide) Newington

**Router**  
Atrax Company, The (solid carbide) Newington

**Rubber Chemicals**  
Nauvattuck Chemical Division United States Rubber Co. Nauvattuck  
Stamford Rubber Supply Co., The ("Factice" Vulcanized Vegetable Oils) Stamford

**Rubber Drug Sundries**  
Seamless Rubber Company New Haven

**Rubber Footwear**  
Goodyear Rubber Co., The Middletown

**Rubber Latex Compounds and Dispersions**  
Nauvattuck Chemical Division United States Rubber Co. (coating, impregnating and adhesive compounds) Nauvattuck

**Rubber Machinery**  
Farrel-Birmingham Company, Inc. Ansonia

# CONNECTICUT PRODUCTS AND SERVICES

**Rubber—Molded Specialties**  
Airex Rubber Prod. Corp. Portland  
Associated Gaskets, Inc. Bridgeport  
Bond Rubber Corporation Derby  
Wasley Products, Inc. Plainville

**Rubber Products**  
Airex Rubber Prod. Corp. Portland

**Rubber Printing Plates**  
ADS, Inc., Div. CSW Plastic Types, Inc. Hartford

**Rubber Products—Mechanical**  
Associated Gaskets, Inc. Bridgeport  
Auburn Mfg. Co., The (washers, gaskets, molded parts) Middletown

**Rubber—Reclaimed**  
Naugatuck Chemical Division United States Rubber Co. Naugatuck

**Rubber Specialties**  
Seamless Rubber Company New Haven

**Rubberized Fabrics**  
Duro-Gloss Rubber Co., The New Haven

**Rubbers**  
Naugatuck Chemical Div. U. S. Rubber Co. (synthetic rubbers and latex) Naugatuck

**Rust Preventives**  
Anderson Oil and Chemical Company, Inc. Portland  
Enthone, Inc. New Haven

**Rust Removers**  
Enthone, Inc. New Haven

**Saddlery**  
The Smith-Worthington Saddlery Co. Hartford

**Safety Belts**  
Russell Mfg. Co. Middletown

**Safety Clothing**  
American Optical Company Safety Products Division Putnam

**Safety Fuses**  
Ensign-Bickford Co., The (mining & detonating) Simsbury

**Safety Gloves and Mittens**  
American Optical Company Safety Products Division Putnam

**Safety Goggles**  
American Optical Company Safety Products Division Putnam

**Salvage Service**  
Walton Co., The (broken tools extracted) West Hartford

**Saw Blades—Hack**  
Capewell Mfg. Co., The Hartford

**Saw Blades—Hack & Band**  
Capewell Manufacturing Company Hartford  
Thompson & Son Co., The Henry G. New Haven

**Saws, Band, Metal Cutting**  
Atlantic Saw Mfg. Co. New Haven  
Capewell Manufacturing Co., The Hartford

**Saws—Hole**  
Capewell Manufacturing Co., The Hartford  
Thompson & Son Co., The Henry G. New Haven

**Sawdust**  
Nielson & Sons, Inc., John R. (graded hardwood and softwood) South Windsor

**Scissors**  
Acme Shear Company, The Bridgeport

**Screens**  
Norlee Aluminum Prod. Corp. Bloomfield

**Screw Caps**  
Welmann Bros. Mfg. Co., The (small for bottles) Derby

**Screw Machines**  
H. P. Townsend Mfg. Co., The Elmwood

**Screw Machine Products**  
Accurate Screw Products, Inc. (B & S Swiss & Davenport) Southington  
American Standard Products, Inc. Hartford  
Apex Tool Co., Inc., The Bridgeport  
Auto Electric Screw Machine Co., Inc. Bridgeport

Balogh Manufacturing, Inc. Bridgeport  
Brown Manufacturing Co. (up to 1½" capacity) Plainville  
Comerford Mfg. Co., Inc. Bristol  
Consolidated Industries West Cheshire  
Day-matic, Inc. (davenport & automatics exclusively) Waterbury  
Eastern Machine Screw Corp., The New Haven

Fairchild Screw Products, Inc. Winsted  
Garthwait Mfg. Co., A. E. (up to and incl. ½") Waterbury  
Greist Mfg. Co., The (up to 1½" capacity) New Haven

Hartford Machine Screw Co. Div. of Standard Screw (up to 5" capacity) Hartford  
Horberg Grinding Industries, Inc. (heat treated and ground type only) Bridgeport  
Stanley Humason, Inc. Forestville  
Independent Screw Company (up to and incl. 1½" capacity) West Hartford  
Junior Screw Machine Products, Inc. West Haven

Lowe Mfg. Co., The Westfield  
Mailly Mfg. Co. (Swiss) Wolcott  
Munson, Carl M. (Brown & Sharpe) Forestville

National Automatic Products Company, The Berlin  
Nelson's Screw Machine Products Plantsville  
New Haven Screw Machine Prods. Inc. (up to 1½" capacity) Milford  
Newton Screw Machine Prods. Co. Plainville  
Olson Brothers Company (up to ¾" capacity) Plainville

Olson & Sons, R. P. Southington  
Products Design & Mfg. Corp. (precision) Newington  
Scovill Manufacturing Company Waterbury  
United Screw Machine Co. Thomaston  
Waterbury Machine Tools & Products Co. (Brown & Sharpe and Davenport) Waterbury

Wheeler & Son, Inc., Frank Meriden

**Screw Machine Tools**  
American Cam Company, Inc. (Circular Form Tools) Bloomfield  
Cambridge Specialty Co., Inc. (flat & circular form tools) Kensington  
Quaker Tool (H.S. cir. form tools) Waterbury  
Pratt & Whitney Co., Inc. (Reamers, Taps, Dies, Blades and Knurls) West Hartford

**Screws**  
Allen Mfg. Co., The Bloomfield  
American Screw Company Willimantic  
Atlantic Screw Works Hartford  
Bristol Company, The (socket set and socket cap screws) Waterbury  
Clark Bros. Bolt Co., Inc. (cap and lag) Middletown  
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford  
Scovill Manufacturing Co. Waterbury  
Superior Manufacturing Co., The Torrington  
Torrington Co., The Torrington

**Screws—Socket**  
Allen Manufacturing Co., The Bloomfield  
Bristol Co., The Waterbury  
Hartford Machine Screw Co. Div. of Standard Screw Co. Hartford

**Screw Stock**  
Driscoll Wire Co., The (steel) Shelton

**Screw Threads—Inserts**  
Hell-Coil Corp. Danbury

**Sealing Tape Machines**  
Better Packages, Inc. ("Counterboy," "Tape-Shooter," "Big Inch") Shelton

**Seals**  
Russell Mfg. Co. (for oven doors and fire bulkheads) Middletown

**Sewing Machines**  
Greist Mfg. Co., The (Sewing Machine attachments) New Haven  
Singer Manufacturing Co. The (industrial) Bridgeport

**Sharpeners**  
Gorn Electric Co., Inc. (electric knife and scissors) Stamford

**Shears**  
Acme Shear Co., The (household) Bridgeport

**Sheet Metal Products**  
Anaconda American Brass Company, The (brass and copper) Waterbury  
Merriam Mfg. Co. (security boxes, fitted tool boxes, tackle boxes, displays) Durham  
Parsons Co., Inc., W. A. (fabricators) Durham  
Precision Sheet Metal Fabrication Div. Bar-Plate Mfg. Co., Inc. Orange  
United Manufacturing Co. Div. Maxson Electronics Corporation Hamden

**Sheet Metal Stampings**  
American Buckle Co., The West Haven  
Anaconda American Brass Company, The Waterbury  
Dorset-Rex, Inc., Subsidiary of Launder, Frary & Clark Thomaston  
Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver, steel and other metals and alloys) Waterbury

**Sheet Steel**  
Dolan Steel Co., Inc. Bridgeport

**Shell Cores**  
Victors Brass Foundry, Inc. Guilford

**Shell Molding**  
Victors Brass Foundry, Inc. Guilford

**Shells**  
Cly-Del Manufacturing Co. Waterbury  
Lakewood Metal Products, Inc. (all metals) Waterbury  
Salem Mfg. Co. Prospect  
Scovill Manufacturing Co. (aluminum, brass, bronze, copper, nickel silver—drawn, stamped—electric socket, screw) Waterbury  
Wolcott Tool and Manufacturing Co., Inc. Waterbury

**Showcase Lighting Equipment**  
Wiremold Company, The Hartford

**Signals**  
H. C. Cook Co., The (for card files) Ansonia

**Signs**  
Ad-Craft Displays, Inc. (all types, quantity only) Bloomfield  
Leonard Sign Co. (neon & factory identification) Hartford

**Silk Screen Plates—Supplies**  
Seri-Print, Inc. Waterbury

**Silk Screen Process Printing**  
Ad-Craft Displays, Inc. Bloomfield  
Norton Co., R. H. New Haven  
Seri-Print, Inc. (for aerosol and cosmetic containers) Waterbury  
Sirocco Screen Prints New Haven  
Stifel & Kufta, Inc. New Britain

**Silk Screening on Metal**  
Ad-Craft Displays, Inc. Bloomfield  
Merriam Mfg. Co. (Displays and Specialties to order) Durham

**Silver Brazing**  
Ben-Nek Holder, Inc. Branford

**Silver—Silver Alloys**  
Handy and Harman (sheet, strip, wire, powders) Fairfield

**Silverware**  
Wallace Silversmiths, Inc. Wallingford

**Simulators**  
Reflectone Electronics, Inc. Stamford

**Sintered Metal Products**  
American Sintering Div. of Engineered Plastics, Inc. (Powder Metal Parts) Watertown  
Raybestos Div. of Raybestos-Manhattan, Inc. Bridgeport

**Sizing and Finishing Compounds**  
American Cyanamid Co. Waterbury

**Slide Fasteners**  
G. E. Prentice Mfg. Co., The Kensington  
Scovill Mfg. Co. (GRIPPER zippers) Waterbury

**Slotters**  
Gros-It Industries, Inc. (Roy) Farmington  
Screw Machine Products Munson, Carl M. (Brown & Sharpe) Forestville

**Smoke Stacks**  
Norwalk Tank Co. Div. Mersick Industries, Inc. South Norwalk

**Snap Fasteners**  
Patent Button Co., The Waterbury  
Scovill Mfg. Co. (GRIPPER snap fasteners) Waterbury

**Snap**  
Fuller Brush Co., The (personal, household and industrial) East Hartford

# CONNECTICUT PRODUCTS AND SERVICES

**Socket Screw Products**  
Holo-Krome Screw Corp. West Hartford

**Soldering Irons**  
Electric Soldering Iron Co., Inc. Deep River

**Sound Equipment**  
Vincio Electronics Corp. New Haven

**Spanner Nuts**  
McMellon Bros., Inc. Bridgeport

**Special Machinery**  
Ameco Manufacturing, Inc. Town of  
East Windsor, Warehouse Point  
Banthin Engineering Co. (complete and/or  
parts) Bridgeport  
Farrel-Birmingham Co., Inc. Ansonia  
Federal Machine & Tool Co. Bristol  
Fenn Mfg. Co., The Newington  
Gros-Itte Industries, Inc. Farmington  
Hartford Special Machinery Co., The Hartford  
H. P. Townsend Mfg. Co., The Elmwood  
Lacey Mfg. Co., The Bridgeport  
National Spheradizing Machine Co. (man-  
drels & stock shells for rubber industry)  
Hartford  
Tucker Machine Co. New Haven

**Special Machining**  
Superior Steel Products Corp. Cheshire

**Special Parts**  
American Standard Products, Inc. Hartford  
Custom Products Corp. Bridgeport  
Fenn Mfg. Co., The Newington  
Greist Mfg. Co., The Bridgeport  
Specially precision stampings New Haven  
Hartford Machine Screw Company Div.  
of Standard Screw Co. Hartford  
Torrington Co., The Torrington

**Specialties—Wire**  
J. C. Products, Inc. Higganum

**Spline Milling Machines**  
Townsend Mfg. Co., The HP Elmwood

**Spools—Paper & Fibre**  
Sonoco Products Co. Mystic

**Sporting Goods**  
Seamless Rubber Co. New Haven

**Spotwelding**  
Spotwelders, Inc. (aluminum, steel, mag-  
nesium, titanium & alloys) Stratford

**Spouts**  
Waterbury Companies, Inc. (for Lighter  
Fluids and Light Oils) Waterbury

**Spray-Bake Machines**  
Capitol Machine Company The (Conveyor)  
Danbury

**Spray Painting**  
Stamford Polishing & Plating Corp. Stamford

**Spray Painting Equipment & Supplies**  
Lea Manufacturing Co., The Waterbury

**Spring Coiling Machines**  
Torrington Mfg. Co., The Torrington

**Spring Presses**  
Townsend Mfg. Co., The H. P. Elmwood

**Spring Units**  
Owen Silent Spring Div. American Chain  
& Cable Company, Inc. Bridgeport

**Spring Washers**  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol

**Springs**  
CE-JA Springs, Inc. (coil & torsion)  
Newington

**Springs—Coil & Flat**  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol

**Springs—Flat**  
Atlantic Precision Spring Co. Forestville  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol

**Steel—Cold Rolled Strip**  
Bristol Spring Mfg. Co. Plainville  
Foursome Mfg. Co. Bristol  
Newcomb Spring Corp., The Southington  
New England Spring Mfg. Co. Unionville  
Peck Spring Co., The Plainville  
Stanley Humason, Inc. Forestville

**Steel—Cold Rolled Strip and Sheets**  
Eastern Steel and Metal Company West Haven  
Spring Corp. Bristol

**Steel—Cold Rolled Stainless**  
Seymour Mfg. Co., The Seymour  
Ulrich Stainless Steels Wallingford  
Wallingford Steel Company Wallingford

**Steel—Cold Rolled Strip**  
Feroletto Steel Co., Inc. Bridgeport  
Detroit Steel Corporation Hamden

**Steel—Cold Rolled Strip and Sheets**  
Eastern Steel and Metal Company West Haven  
Wallingford Steel Company Wallingford

**Steel Flanges**  
Ideal Forging Corp. (stainless) Southington

**Steel Goods**  
Merriam Mfg. Co. (sheets products to  
order) Durham

**Steel—Ground Flat Stock**  
Thompson & Son Co., The Henry G.  
New Haven

**Steel Rolling Rules**  
Waterbury Lock & Specialty Co., The Milford

**Steel—Stainless Alloy and Carbon**  
Fransse & Co., Inc., Peter A. Hartford

**Springs—Wire**  
Banner Spring Corporation Hartford  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol

**Springs—Wire**  
Bernston Co., J. W. Plainville  
Bristol Spring Mfg. Co. Plainville  
Colonial Spring Corp., The Hartford  
Comerford Mfg. Co., Inc. (compression, ex-  
tension, torsion) Bristol

**Springs—Wire**  
Everett Co., Inc. (coil and torsion) New Britain  
Foursome Manufacturing Co. Bristol  
Newcomb Spring Corp., The Southington  
New England Spring Mfg. Co. Unionville  
D. R. Templeman Co. (coil and torsion) Plainville  
Terry Spring Company Terryville

**Stamped Metal Products**  
Anaconda American Brass Company, The Waterbury

**Stampings**  
Comerford Mfg. Co., Inc. Bristol  
Dorset-Kex, Inc., Subsidiary of Landers,  
Frery & Clark Thomaston  
Laminated Shim Co., Inc. Glenbrook  
Foursome Manufacturing Co. Bristol  
Lacey Mfg. Co., The (precision sheet  
metal) Bridgeport  
Newhart Products, Inc. (short run—metals  
& plastics) Milford  
Prentice Mfg. Co., The G. E. Kensington  
Scovill Mfg. Co. (aluminum, brass, bronze,  
copper, nickel silver steel and other  
metals and alloys—automotive, electrical,  
radio, etc.—deep drawn, enameled)  
Waterbury

**Stampings—Small**  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol  
Barrett Co., William L. Bristol  
Bristol Spring Mfg. Co. Plainville  
Greist Mfg. Co., The New Haven  
Laminated Shim Company, Inc. Glenbrook  
Scovill Manufacturing Company Waterbury  
Waterbury Companies, Inc. Waterbury  
Wire Form, Inc. Milldale  
Waterbury Pressed Metal Co. Waterbury

**Stamps**  
Hoggson & Pettis Mfg. Co., The (steel)  
New Haven  
Parker-Hartford Corp. (steel) Hartford  
Schwab & Company (steel) Bridgeport

**Stamped Assemblies**  
Cowles & Co., C. New Haven  
Scovill Manufacturing Company Waterbury

**Stationary Specialties**  
Anaconda American Brass Company, The Waterbury

**Steam Turbines**  
Whitton Machine Co. New London

**Steel Castings**  
Malleable Iron Fittings Co. Branford  
New England Alloy Casting Corp. (carbon,  
low alloy and stainless steel castings)  
Hartford  
Nutmeg Crucible Steel Co. Branford

**Steel—Cold Rolled Strip**  
Eastern Steel and Metal Company West Haven  
Spring Corp. Bristol

**Steel—Cold Rolled Strip and Sheets**  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol  
Detroit Steel Corporation Hamden

**Steel—Cold Rolled Strip and Sheets**  
Eastern Steel and Metal Company West Haven  
Wallingford Steel Company Wallingford

**Steel—Cold Rolled Strip**  
Feroletto Steel Co., Inc. Bridgeport  
Detroit Steel Corporation Hamden

**Steel—Cold Rolled Strip and Sheets**  
Eastern Steel and Metal Company West Haven  
Wallingford Steel Company Wallingford

**Steel Flanges**  
Ideal Forging Corp. (stainless) Southington

**Steel Goods**  
Merriam Mfg. Co. (sheets products to  
order) Durham

**Steel—Ground Flat Stock**  
Thompson & Son Co., The Henry G.  
New Haven

**Steel Rolling Rules**  
Waterbury Lock & Specialty Co., The Milford

**Steel—Stainless Alloy and Carbon**  
Fransse & Co., Inc., Peter A. Hartford

**Steel Stamps**  
Cooney Engraving Co. Branford

**Steel Strapping**  
Douglas Industrial Supply Corporation New Haven

**Stereotypes**  
New Haven Electrotype Div. Electro-  
graphic Corp. New Haven

**Stop Clocks, Electric**  
H. C. Thompson Clock Co., The Bristol

**Storage Batteries**  
R. A. E. Storage Battery Mfg. Co. Glastonbury

**Straps, Leather**  
Auburn Mfg. Co., The (textile, industrial,  
skate, carriage) Middletown

**Strip Steel**  
Detroit Steel Corp. New Haven  
Dolan Steel Company, Inc. Bridgeport  
Eastern Steel and Metal Company West Haven

**Structural Mouldings**  
Leed Co., The H. A. Hamden

**Studio Couches**  
Waterbury Mattress Co. Waterbury

**Super Refractories**  
Mullite Works Refractories Div. H. K.  
Porter Co., Inc. Shelton

**Surface Metal Raceway & Fittings**  
Wiremold Company, The Hartford

**Surgical Dressings**  
Acme Cotton Products Co., Inc. East Killingly

**Surgical Germicides**  
Bard-Parker Company, Inc. Danbury

**Surgical Instruments**  
Bard-Parker Company, Inc. Danbury

**Swaging Machinery**  
Fenn Mfg. Co., The Newington  
Torrington Co., The Torrington  
Waterbury Farrel Foundry & Machinery  
Co., The Div. of Textron, Inc. Waterbury

**Sweeping Compounds**  
Nielson & Sons, Inc., John H. South Windsor

**Switches**  
Allied Control Co., Inc. (subminiature,  
toggle & pushbutton) Plantsville  
Capitol Machine Company The (Circuit Se-  
lector—Push Button & Lever) Danbury

**Switchboards Wire and Cables**  
Rockbestos Wire & Cable Co. Div. of Cerro  
Corp. (asbestos insulated) New Haven

**Tableware—Stainless Steel**  
Wallace Silversmiths, Inc. Wallingford

**Tableware—Sterling Silver**  
Wallace Silversmiths, Inc. Wallingford

**Tabulating Equipment—Manual**  
Denominator Company, Inc. Woodbury  
Veeder-Root, Incorporated Hartford

**Tanks**  
Alsop Engineering Co. Milldale  
Bigelow Co., The (steel) New Haven  
Connecticut Welders, Inc. (steel, alloy &  
lined) Wallingford  
Enthone, Inc. New Haven  
Norwalk Tank Co. Div. Mersick Industries,  
Inc. South Norwalk  
Rolock, Inc. (Alloy) Fairfield  
Storts Welding Co. (steel and alloy) Meriden

**Tape**  
Russell Mfg. Co. (Glass Electrical Insulat-  
ing Tapes, Glass Fabrics for Plastic  
Moulding) Middletown

**Tape Machines**  
Better Packages, Inc. (Manual and electric  
models for case taping) Shelton

**Taps**  
Hanson-Whitney Co., The Hartford  
Pratt & Whitney Co., Inc. West Hartford

**Taps—Collapsing**  
Geometric Tool Co., Div. United-Greenfield  
Corp. New Haven

**Tap, Drill & Stud Removal**  
Walton Co., The West Hartford

# CONNECTICUT PRODUCTS AND SERVICES

<b>Tap Extractors</b>		<b>Timing Devices &amp; Time Switches</b>		<b>Tubing</b>	
Walton Co., The (and extensions)	West Hartford	A. W. Haydon Co., The	Waterbury	Anaconda American Brass Company, The	Waterbury
		Lux Clock Mfg. Co.	Waterbury	(brass & copper)	Waterbury
		M. H. Rhodes, Inc.	Hartford	G & O Manufacturing Co. (fitted)	New Haven
<b>Tarred Lines</b>		<b>Tinning</b>		Scovill Mfg. Co. (Brass and Copper)	Waterbury
Brownell & Co., Inc.	Moodus	Thinsheet Metals Co., The (non-ferrous metals in rolls)	Waterbury	Wallingford Steel Co., The (stainless and super metals)	Wallingford
<b>Technical Writing</b>		Wilcox-Crittenden Div. North & Judd Mfg. Co.	Middletown		
Watson-Manning Advertising	Stratford			<b>Tubing—Carbon and Stainless Steel</b>	
<b>Telemetering Instruments</b>		<b>Tissue</b>		Frasse & Co., Inc., Peter A.	Hartford
Bristol Co., The	Waterbury	Sanitary Paper Mills, Inc. (Dovalettes facial, bathroom and handkerchiefs)	East Hartford	<b>Tubing—Flexible Metallic</b>	
<b>Television—Radio</b>		<b>Tires</b>		Anaconda American Brass Co., The, Metal Hose Branch	Waterbury
Junior Screw Machine Products, Inc.	West Haven	Armstrong Rubber Co., The	West Haven	<b>Tubing—Heat Exchanger</b>	
<b>Temperature Controllers</b>		<b>Toiletries</b>		Anaconda American Brass Company, The	Waterbury
Electronic Controls, Inc.	Stamford	Chesebrough-Pond's, Inc.	Clinton	Scovill Mfg. Co.	Waterbury
<b>Terminals</b>		<b>Tool Chests</b>		<b>Tumbling Barrels and Accessories</b>	
Waterbury Companies, Inc.	Waterbury	Vanderman Mfg. Co., The	Willimantic	Nielsen & Sons, Inc., John R.	South Windsor
<b>Testers—Insulation Wire &amp; Cable</b>		<b>Tool Hardening</b>		<b>Tumbling Equipment and Supplies</b>	
Davis Electric Company	Wallingford	Commercial Metal Treating Co.	Bridgeport	Esbec Barrel Finishing Corp.	Byram
<b>Testers—Nondestructive, Ultrasonic</b>		<b>Tools</b>		<b>Tumbling Service</b>	
Branson Instrument, Inc.	Stamford	B & N Tool & Engineering Co. (dies, jigs, fixtures, sub-press and progressive)	Thomaston	Esbec Barrel Finishing Corp.	Meriden
Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle)	Danbury	Hoggson & Pettis Mfg. Co., The (rubber workers) 141 Brewery St.	New Haven	<b>Turntables</b>	
<b>Testing</b>		<b>Tool Designers</b>		Macton Machinery Co., Inc. (Industrial & display)	Stamford
American Metasol, Inc. (pressure)	Hamden	Crescent Tool & Design (tools & special machinery)	Glastonbury	<b>Typewriters</b>	
Kahn and Company, Inc. (hydraulic, pneumatic, electronic)	Wethersfield	Research & Development Designers, Inc.	Middletown	Royal McBee Corp.	Hartford
<b>Testing Services</b>		<b>Tools &amp; Dies</b>		Underwood Corporation	Hartford
Sperry Products Co., Div. of Howe Sound Co. (Ultrasonic, X-ray and magnetic particle)	Danbury	Metropolitan Tool & Die	Hartford	<b>Typewriter Ribbons and Supplies</b>	
Metals Testing Co., Inc. (Certified Non-Destructive—Magnaflux, Zygo)	East Hartford	Lacey Mfg. Co., The	Bridgeport	Royal McBee Corp.	Hartford and Bridgeport
<b>Test Stands and Equipment</b>		Moore Special Tool Co.	Bridgeport	<b>Uniforms</b>	
Kahn and Company, Inc.	Wethersfield	<b>Tools, Dies &amp; Fixtures</b>		Magson Uniform Co.	Kensington
<b>Textile Printing Gums</b>		Groist Mfg. Co., The	New Haven	<b>Ultrasonic Equipment</b>	
Polymex Industries, Inc.	Springdale	Tatem Manufacturing Co. (hi-density laminated wood for making)	Eastford	Branson Ultrasonic Corp.	Stamford
<b>Textile Processors</b>		<b>Tools, Dies, Jigs &amp; Fixtures</b>		General Instrument Corporation	Woodbury
Amerbelle Corporation	Rockville	Arcade Tool & Die Co.	Bridgeport	Harris Transducer Div.	Woodbury
<b>Thermometers</b>		Fairfield Tool Co., Inc., The	Bridgeport	<b>Underwater Equipment</b>	
Bristol Co., The (recording and automatic control)	Waterbury	Lyons Tool & Die (modelwork, jig boring)	Meriden	Seamless Rubber Co.	New Haven
Manning Maxwell & Moore, Inc.	Stratford	Otterbein Co., J. A.	Middletown	<b>Universal Joints</b>	
<b>Thin Gauge Metals</b>		RSV Engineering Co. (gages)	Wethersfield	Gray and Prior Machine Co. (for machinery)	Hartford
Plume & Atwood Mfg. Co., The	Thomaston	Telke Tool & Die Mfg. Co.	Kensington	<b>Vacuum Bottles and Containers</b>	
Thinsheet Metals Co., The (plain or fluted in rolls)	Waterbury	<b>Tools, Fixtures, Gauges</b>		American Thermos Products Co.	Norwich
<b>Thread</b>		Elmwood Tool & Machine Company, Inc.	Elmwood	<b>Vacuum Cleaners</b>	
American Thread Co., The	Willimantic	Fredericks Tool Co., J. F.	West Hartford	Electrolux Corp.	Old Greenwich
Belding Ileminway Corticelli	Putnam	<b>Totalizers</b>		Spencer Turbine Co., The	Hartford
<b>Threading</b>		Reflectone Electronics, Inc.	Stamford	<b>Vacuum Coating</b>	
Products Design & Mfg. Corp.	Newington	<b>Toys</b>		Illuminized Finish Co.	Cromwell
<b>Thread Gages</b>		Geo. S. Scott Mfg. Co., The	Wallingford	<b>Vacuum Forming</b>	
Hanson-Whitney Co., The	Hartford	Gilbert Co., The A. C.	New Haven	Newhart Products, Inc. (all thermo forming plastics)	Milford
Johnson Gage Company	Bloomfield	Gong Bell Mfg. Co.	East Hampton	<b>Vacuum Metallizing</b>	
Pratt & Whitney Co., Inc.	West Hartford	N. N. Hill Brass Co., The	East Hampton	Aluminized Finish & Mfg. Co.	Cromwell
<b>Thread Milling</b>		U. S. Plastic Molding Corp.	Wallingford	<b>Valves</b>	
McMellon Bros., Inc.	Bridgeport	Waterbury Companies, Inc.	Waterbury	Jenkins Bros.	Bridgeport
<b>Thread Milling Machines</b>		<b>Traffic Signal Controls</b>		Rockwell Co., W. S. (Butterfly)	Fairfield
Pratt & Whitney Co., Inc.	West Hartford	Automatic Signal Div. Eastern Industries, Inc.	Norwalk	<b>Valves—Aircraft</b>	
<b>Thread Repair Kits</b>		<b>Trucks—Commercial</b>		Bridgeport Thermostat Div.	Robertshaw
Hell-Coil Corp.	Danbury	Metropolitan Body Company (International Harvester Truck chassis and "Metro" bodies)	Bridgeport	Fulton Controls Co.	Milford
<b>Thread Rolling Machinery</b>		<b>Tube Clips</b>		Skinner Precision Industries, Inc., Skinner Electric Valve Div.	New Britain
Hartford Special Machinery Co. (flat die)	Hartford	Weimann Bros. Mfg. Co., The (for collapsible tubes)	Derby	<b>Valves—Relief &amp; Control</b>	
Shuster Wire Machine Div. Mettler Machine Tool, Inc.	New Haven	<b>Tube Fittings</b>		Beaton & Caldwell Mfg. Co.	New Britain
Waterbury Farrel Foundry & Machine Co., The, Div. of Textrol, Inc.	Waterbury	Scovill Manufacturing Co. (UNIFLARE flared tube and LOXIT compression tube)	Waterbury	<b>Valves—Safety &amp; Relief</b>	
<b>Threading Machines</b>		<b>Tubers</b>		Manning Maxwell & Moore, Inc.	Stratford
Grant Mfg. & Machine Co., The (double end automatic)	Bridgeport	Standard Machinery and Davis-Standard Divisions of Franklin Research Corp.	Mystic	<b>Valves—Solenoid</b>	
<b>Timers, Interval</b>		<b>Tubes—Collapsible Metal</b>		Allied Control Co., Inc.	Plantsville
A. W. Haydon Co., The	Waterbury	Sheffield Tube Corp., The	New London	Skinner Precision Industries, Inc., Skinner Electric Valve Div.	New Britain
H. C. Thompson Clock Co., The	Bristol			<b>Vanity Boxes</b>	
Cramer Controls Corp., The	Centerbrook			Dorset-Rex, Inc., Subsidiary of Landers, Frary & Clark	Thomaston
Rhodes, Inc., M. H.	Hartford			Scovill Mfg. Co.	Waterbury
<b>Timing Devices</b>					
B & N Tool & Engineering Co. (development and model work)	Thomaston				
Cramer Controls Corp., The	Centerbrook				
A. W. Haydon Co., The	Waterbury				
Lux Clock Mfg. Co., The	Waterbury				
Rhodes, Inc., M. H.	Hartford				
United States Time Corp., The	Waterbury				



# CONNECTICUT PRODUCTS AND SERVICES

## Velvets

American Velvet Co. (owned and operated by A. Wimpfheimer & Bros., Inc., Inc.)  
Stonington  
Leiss Velvet Mfg. Co., Inc., The  
Willimantic

## Vending Machines

Choice-Vend Div. of Seeburg Corporation  
Hartford

## Venetian Blinds

Findell Mfg. Co., Manchester  
Jennings Co., The S. Barry New Haven

## Ventilating Systems

Colonial Blower Co. Plainville

## Vibration Detection Equipment

Advanced Electronics, Inc. Rocky Hill

## Vibrators—Pneumatic

Branford Co., The (Industrial) New Britain  
Vinyl Extrusion & Moulding Compounds  
Electronic Rubber Co. Stamford

## Vinyl Resins

Synco Resins, Inc. Bethel

## Vise Fixtures

Dery & Sons Tool & Die Co., A. L.  
Pine Meadow

## Vise Jaws

Dery & Sons Tool & Die Co., A. L.  
(sawz with loading trays) Pine Meadow

## Vises

Fenn Manufacturing Co., The (Quick-Action Vises) Newington  
Skinner Precision Industries, Inc.,  
Skinner-Horton Chuck Div. New Britain  
Vanderman Mfg. Co., The (Combination Bench Pipe) Willimantic

## Wall Paper

Stamford Wall Paper Co., Inc. Stamford

## Washers

American Felt Co. (felt) Glenville  
Auburn Mfg. Co., The (all materials) Middletown  
Fabricon Corp. Unionville

## Washers—Felt

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

## Watches

E. Ingraham Co., The Bristol  
United States Time Corp., The Waterbury

## Washers—Precision

Laminated Shlm Company, Inc. Glenbrook

## Water Delonizers

Penfield Mfg. Co. Meriden

## Water Heaters

Whitlock Mfg. Co., The (Instantaneous & storage) Hartford

## Waxes

Fuller Brush Co., The (liquid and paste for floor and furniture) East Hartford  
Harrison Company, The A. S. (and other protective coatings) South Norwalk

## Webbing

Russell Mfg. Co. (Webbing for Safety Seat Belts—all types of webbing) Middletown

## Welding

Aircraft Welding & Mfg. Co., Inc. (aluminum, stainless steel, magnesium) Hartford  
Aluminum Wire Products Co., Inc. (Aluminum Welding & Brazing Wire) Glastonbury  
Ansonia Steel Fabrication Co., Inc. (steel stainless steel and aluminum fabrication) Ansonia  
Connecticut Welders, Inc. (fabrication & repairs) Wallingford  
Industrial Welding Co. (Equipment Manufacturers—Steel Fabricators) Hartford  
Storts Welding Company (tanks, coils & fabrication) Meriden

Tag Alloy Welding & Mfg. Co., Inc. (nuclear, missile and aircraft type) Glastonbury

## Welding—Lead

Connecticut Welders, Inc. (tanks & coils) Wallingford  
Lead Products, Inc. (tanks & fabrication) Manchester  
Storts Welding Company (tanks, coils & anodes) Meriden

## Welding—Lead Bricks

Lead Products, Inc. Manchester

## Welding Rods

Anaconda American Brass Co., The Waterbury  
Bristol Brass Co., The (brass & bronze) Bristol

## Welding Solder

Lead Products, Inc. (wire, bar and cakes and babbitts) Manchester

## Wells

Church Co., The Stephen B. Seymour  
Wheel Dressers—Diamonds  
Russell, Inc., R. R. Newington

## Wicks

Auburn Mfg. Co., The (felt, asbestos) Middletown  
Holyoke Heater Corp. of Conn., Inc. Hartford

## Window & Door Guards

Smith Co., The John P. New Haven

## Wire

Anaconda American Brass Company, The Waterbury  
Atlantic Wire Co., The (steel) Branford  
Bartlett Hair Spring Wire Co., The North Haven  
Bristol Brass Corp., The (brass & bronze) Bristol  
Driscoll Wire Co., The (steel) Shelton  
Hudson Wire Co., Winsted Div. (insulated & enameled magnet) Winsted  
Montgomery Company, The (fine copper, OFHC, cadmium, aluminum, tin or silver coated) Windsor Locks  
Platt Bros. & Co., The (zinc and zinc alloy wires) Waterbury  
Scovill Mfg. Co. (Brass, Bronze and Nickel Silver) Waterbury  
Viking Wire Co., Inc. (enameled magnet) Danbury

## Wire and Cable

Continental Wire Corp. (for industrial and military applications) Wallingford  
General Electric Company (for residential, commercial and industrial applications) Bridgeport  
Rockbestos Wire & Cable Co. Div. of Cerro Corp. (all asbestos, mining, shipboard and appliance applications) New Haven (Advt.)

## Wire Baskets

Rolock, Inc. Fairfield  
Wiretex Mfg. Inc. (Industrial, for acid, heat, treating and degreasing) Bridgeport

## Wire & Cable—High Temperature

Lewis Engineering Co., The Naugatuck

## Wire Cloth

C. O. Jeliff Mfg. Co., The (all metals, all meshes) Southport  
McCluskey Wire Co., Inc. (Fourdrinier) New Haven  
Pequot Wire Cloth Co., Inc. (Industrial grades only) Norwalk  
Rolock, Inc. (alloy) Fairfield  
Smith Co., The John P. New Haven

## Wire Dipping Baskets

John P. Smith Co., The New Haven

## Wire Displays—Baskets

Apeo Products, Inc. Centerbrook

## Wire Forming Machinery

Nilson Machine Co., The A. H. Shelton  
Torrington Mfg. Co., The Torrington

## Wire Formings

Master Engineering Co. West Cheshire  
North & Judd Mfg. Co. New Britain  
Oakville Co. Div. Scovill Mfg. Co. Oakville  
Turner & Seymour Mfg. Co., The Torrington

## Wire Forms

Atlantic Precision Spring Co. Forestville  
Banner Spring Corp. Hartford  
Barnes Co., The Wallace Div. Associated  
Spring Corp. Bristol  
Bristol Spring Mfg. Co. Plainville  
Colonial Spring Corporation, The Hartford  
Foursome Manufacturing Co. Bristol  
Gemco Mfg. Co., Inc. Southington  
Stanley Humason, Inc. Forestville  
New England Spring Mfg. Co. Unionville  
Peck Spring Co. Plainville  
Templeman Co., D. R. Plainville  
Terryville Mfg. Co. Terryville  
Wire Form, Inc. Milldale

## Wire Goods

American Buckle Co., The (overall trimmings) West Haven  
Brooks & Sons, Inc., M. S. (small wire parts) Chester  
Scovill Mfg. Co. (to order) Waterbury

## Wire Partitions

John P. Smith Co., The New Haven  
Torrington

## Wire Products

Artistic Wire Products, Inc. Taftsville  
J. C. Products, Inc. Higganum

## Wire Reels

Nilson Machine Co., The A. H. Shelton  
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven  
Waterbury Farrel Foundry & Machine Co., The Div. of Textron, Inc. Waterbury

## Wire Rings

American Buckle Co., The (pan handles and tinner's trimmings) West Haven  
Templeman Co., D. R. Plainville

## Wire—Specialties

Andrew B. Hendryx Co., The New Haven

## Wire Springs

Carlson Spring Co. (Torsion, Compression, Extension) Berlin

Wire Straightening & Cutting Machinery  
Shuster Wire Machine Div. Mettler Machine Tool, Inc. New Haven

## Wiring Devices

Harvey Hubbell, Inc. Bridgeport

## Wood Scrapers

Fletcher-Terry Co., The Forestville

## Woodwork

C. H. Dresser & Sons, Inc. (Mfg. all kinds of woodwork) Hartford  
Hartford Builders Finish Co. Hartford  
Peerless Woodworking Corporation East Glastonbury

## Woven Felts—Wool

Chas. W. House & Sons, Inc. (Mills & Cutting Plant) Unionville

## X-ray—Industrial

Bridgeport Testing Laboratory, Inc. Bridgeport

## Yarns

Aldon Spinning Mills Corp., The (fine-woolen and specialty) Talcottville  
Ensign-Bickford Co., The (jute-carpet) Simsbury

## Zinc

Platt Bros. & Co., The (ribbon, strip and wire) P. O. Box 1030 Waterbury

## Zinc Castings

Mosman Co., Charles H. Westbrook  
Newton-New Haven Co., Inc. West Haven

## Zinc Die Castings

Engineers Tool & Mfg. Co., Inc. Bridgeport  
Mt. Vernon Die Castings Corp. Stamford  
Peasley Products, Inc. Stratford  
Stewart Die Casting Div. Stewart-Warner Corp. Bridgeport

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## Our Eroding Freedom

(Continued from page 45)

72 hours on any issue it chooses. Let us send ten times that number. Form small informal associations with those who think as you do. Call each other when you learn of some proposed measure to make sure that all of you wire or write your elected representatives. And, remember to write now and then simply to praise and commend those who are on the firing line in your behalf. Charles Halleck, House Minority Leader, says, "I can tell you from long experience that we could stand a little more statesmanship from people other than those who are serving in the government. When the taxpayers do an about face—as they did two years ago—and demand economy, Congress, regardless of its political complexion, gives them economy."

## Stop It Now

Most important of all, we should concentrate our main efforts on reducing government income and halting deficit spending. We should demand real tax reform which reduces the amount government has to spend. When they tell us that we must reduce spending first, remember that governments don't tax to get the money they need—they always need the money they get. Don't forsake the individual causes of interest to you, but focus your main effort on stopping encroaching control by cutting off its sources of sustenance — tax revenue and borrowing.

In this land of ours occurred the *only* true revolution in man's history—the only revolution that did not just exchange one set of rulers for another. Ours was the only revolution that recognized man had the dignity and sacred right to determine his own destiny as an individual—with the least interference from government.

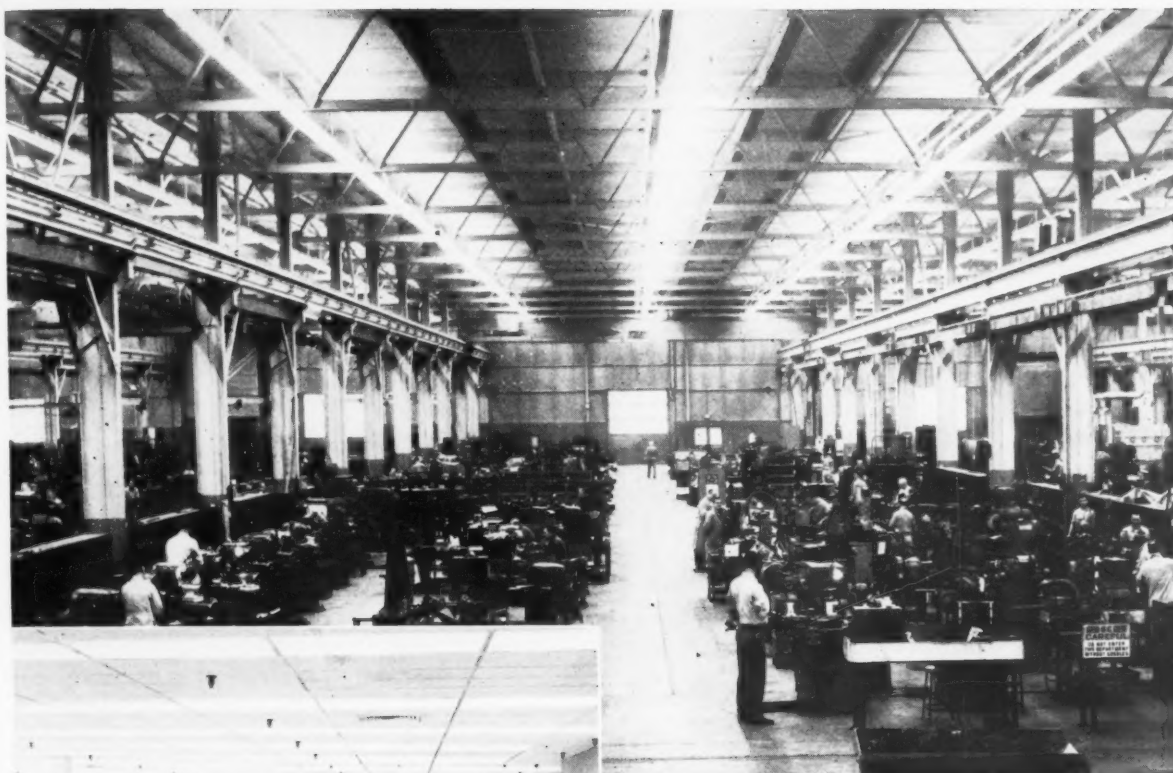
## Either Victory or Defeat

There can be only one end to the war we are fighting—victory or defeat. In another decade, the world will be headed either in the direction of freedom or slavery. Peaceful co-existence on Russia's terms is a satanic, diabolical device of the enemy to blunt our sword while he moves into position for the kill.

Freedom is never more than one generation away from extinction. We must save it now or spend our sunset years telling our children and our children's children what it was like when men were free.

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